

# Converting Colors

XYZ(71.5620, 76.4796,  
106.8925)

Have a look what the booklet for  
XYZ(71.5620, 76.4796, 106.8925)  
contains.

<b>XYZ(71.2461, 76.2378, 105.5680)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(71.2461, 76.2378,  
105.5680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDE5FF
RGB	205, 229, 255
RGB Percent	80%, 90%, 100%
CMY	0.1961, 0.1019, 0.0000
CMYK	0.20, 0.10, 0.00, 0.00
HSL	211°, 100%, 90%
HSV	211°, 20%, 100%
XYZ	71.2461, 76.2378, 105.5680
YIQ	224.7880, -22.6500, 2.9980

# Conversions

## Conversions Part 2

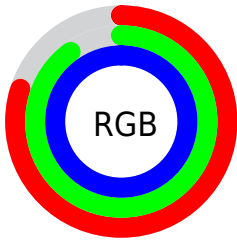
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 221, 255
Decimal	13493759
CIE Lab	89.97, -2.57, -15.24
CIE LCh	90, 15.458, 260.435
Yxy	76.2378, 0.2815, 0.3013
Android (android.graphics.Color)	4291683839 (0xFFCDE5FF)
YUV	224.7880, 14.8945, -17.3541
Hunter-Lab	87.3143, -7.1487, -10.5651

# Details

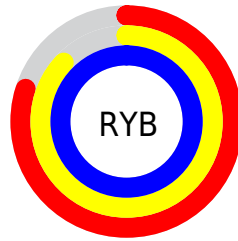
The XYZ color **71.2461, 76.2378, 105.5680** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.8349, 82.8183, 69.4842**, and the grayscale version is **71.3257, 75.0402, 81.7187**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9068, 40.8334, 59.3098** is the 20% darker color. If you saturate the color by 10%, you get **61.2478, 65.8458, 104.0891**, and if you desaturate by 10%, it is **82.6751, 87.7872, 107.1949**.

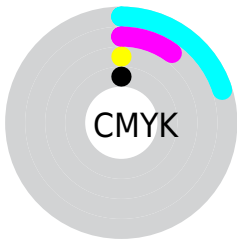
# Distribution



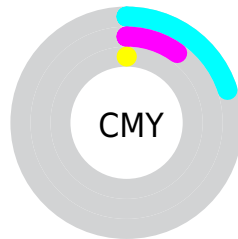
- Red (80%)
- Green (90%)
- Blue (100%)



- Red (80%)
- Yellow (87%)
- Blue (100%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2461, 76.2378, 105.5680 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 71.2461, 76.2378, 105.5680 by changing the saturation by 10% instead.



■ 71.2461, 76.2378,  
105.5680

■ 71.2461, 76.2378,  
105.5680

454.1117,  
482.1613, 599.2990

■ 52.8263, 56.6275,  
80.3160

120.0007,  
128.0630, 170.9064

■ 37.8911, 40.7063,  
59.4507

151.0662,  
161.0467, 211.8299

■ 26.0750, 28.0896,  
42.5537

187.0777,  
199.2570, 258.8144

■ 17.0127, 18.3932,  
29.2063

228.4004,  
243.0783, 312.2782

■ 10.3389, 11.2327,  
18.9900

275.3999,  
292.8950, 372.6401

■ 5.6882, 6.2236,  
11.4863

328.4413,

■ 2.6953, 2.9815,

349.0915, 440.3184

6.2767

387.8902,  
412.0521, 515.7319

■ 0.9948, 1.1221,  
2.9425

■ 0.0000, 0.0000,  
1.0654

■ 71.2461, 76.2378,  
105.5680

■ 71.2461, 76.2378,  
105.5680

■ 61.2478, 65.8458,  
104.0891

■ 82.6751, 87.7872,  
107.1949

■ 52.6123, 56.5610,  
102.7521

95.0500, 100.0000,  
108.9000

■ 45.2751, 48.3427,  
101.5526

■ 39.1637, 41.1436,  
100.4851

■ 34.1978, 34.9118,  
99.5440

■ 30.2861, 29.5897,  
98.7229

■ 27.3210, 25.1104,  
98.0146

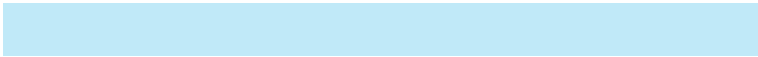
■ 25.1381, 21.3775,  
97.4091

■ 25.0611, 21.2421,  
97.3870

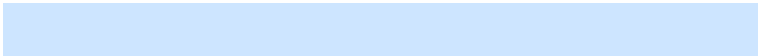
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8760, 76.2378, 100.3347



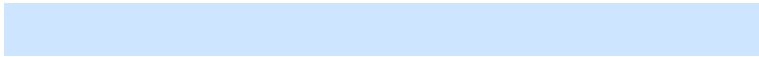
71.2461, 76.2378, 105.5680



75.0608, 76.2378, 104.3602

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.2461, 76.2378, 105.5680



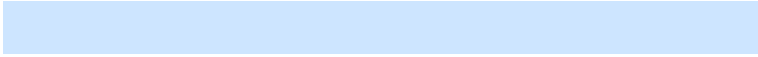
79.5765, 76.2378, 75.8690



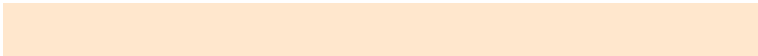
66.9371, 76.2378, 70.2999

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



71.2461, 76.2378, 105.5680



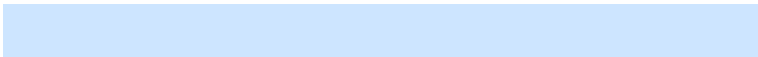
80.8349, 82.8183, 69.4842

# Split Complementary

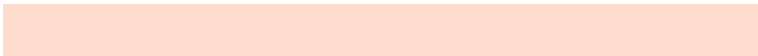
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.9234, 76.2378, 64.7904



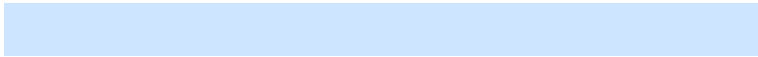
71.2461, 76.2378, 105.5680



77.2495, 76.2378, 67.8040

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.2461, 76.2378, 105.5680



79.9611, 76.2378, 86.5606



73.6911, 76.2378, 63.9187

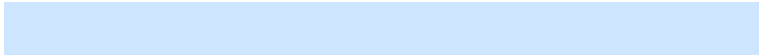


65.4466, 76.2378, 79.5578



# Rectangle

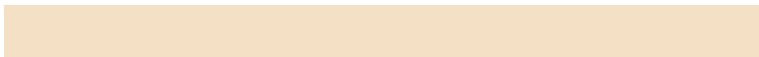
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



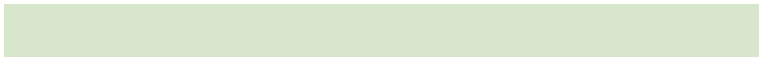
71.2461, 76.2378, 105.5680



77.3387, 76.2378, 100.1018



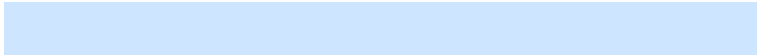
73.6911, 76.2378, 63.9187



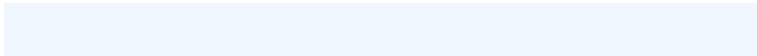
67.7942, 76.2378, 67.9837

# Sweetspot

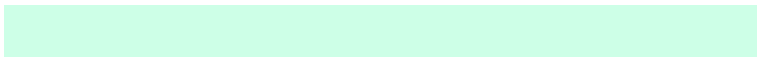
The Sweet Spot groups the original color and five complimentary colors.



71.2482, 76.2408, 105.5685



87.1580, 92.2419, 107.8185



75.3379, 90.2596, 88.9299



18.4785, 19.5684, 23.0531



0.0000, 0.0000, 0.0000

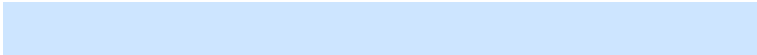


20.3446, 21.4041, 23.3091

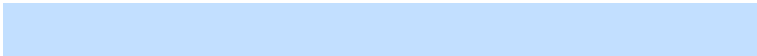


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.2482, 76.2408, 105.5685



66.6828, 71.5347, 104.9008



65.2899, 63.9821, 103.5164



17.7225, 18.8167, 22.9479



13.2426, 11.3947, 50.9360



1.3980, 1.3268, 4.9957



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



77.2154, 70.5812, 83.6862



73.8309, 65.0921, 78.6124



87.7138, 97.0302, 71.8648



18.3726, 18.1324, 20.5792



23.4724, 11.8783, 11.1383

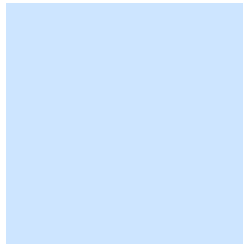


2.3403, 1.1785, 1.3733



# Previews

## White Background



This preview shows how the XYZ color 71.2461, 76.2378, 105.5680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

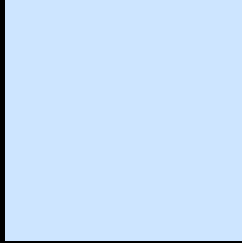
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.2461, 76.2378, 105.5680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

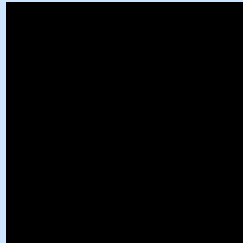
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

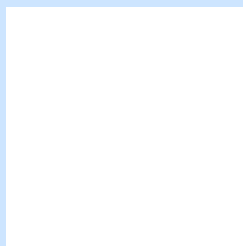
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.2461, 76.2378, 105.5680

## Background



This preview shows how black text looks on a background with the XYZ color 71.2461, 76.2378, 105.5680.



This preview shows how white text looks on a background with the XYZ color 71.2461, 76.2378,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

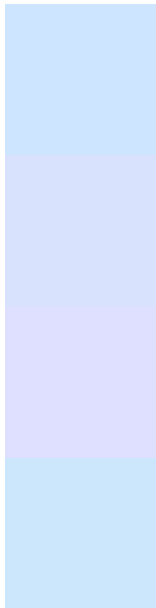




## **Tritanopia**

70.1419, 76.2083, 99.8197

# Trichromacy



## Original Color

71.2461, 76.2378, 105.5680

## Protanomaly

73.2449, 76.0835, 103.7537

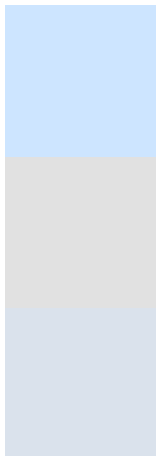
## Deuteranomaly

75.1371, 76.2193, 105.3594

## Tritanomaly

70.6112, 76.3960, 102.2911

# Monochromacy



## Original Color

71.2461, 76.2378, 105.5680

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.2501, 75.3543, 90.1464

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2461, 76.2378, 105.5680 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(205, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 229, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(205, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 229, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2461, 76.2378, 105.5680 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 229, 255) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(205, 229, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(205, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 229,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2461, 76.2378, 105.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 229, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(205,  
229, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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