

# Converting Colors

XYZ(80.6514, 81.6661,  
148.3661)

Have a look what the booklet for  
XYZ(80.6514, 81.6661, 148.3661)  
contains.

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# Color

**XYZ(72.6425, 78.6196,  
105.9542)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEE9FF
RGB	206, 233, 255
RGB Percent	81%, 91%, 100%
CMY	0.1921, 0.0863, 0.0000
CMYK	0.19, 0.09, 0.00, 0.00
HSL	207°, 100%, 90%
HSV	207°, 19%, 100%
XYZ	72.6425, 78.6196, 105.9542
YIQ	227.4350, -23.1540, 1.1180

# Conversions

## Conversions Part 2

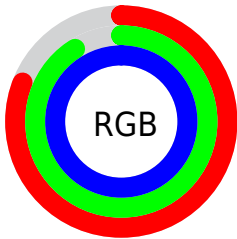
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	206, 223, 255
Decimal	13560319
CIE <sub>Lab</sub>	91.06, -4.33, -13.60
CIE <sub>LCh</sub>	91, 14.273, 252.346
Yxy	78.6196, 0.2824, 0.3057
Android (android.graphics.Color)	4291750399 (0xFFCEE9FF)
YUV	227.4350, 13.5895, -18.7985
Hunter-Lab	88.6677, -8.9293, -8.7817

# Details

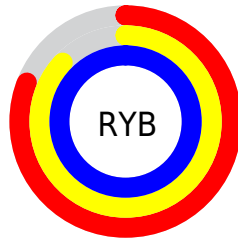
The XYZ color **72.6425, 78.6196, 105.9542** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.1237, 81.2020, 69.8448**, and the grayscale version is **73.2483, 77.0629, 83.9215**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6777, 42.1008, 59.5138** is the 20% darker color. If you saturate the color by 10%, you get **62.9936, 68.9916, 104.6043**, and if you desaturate by 10%, it is **83.6543, 89.2664, 107.4288**.

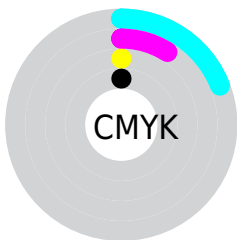
# Distribution



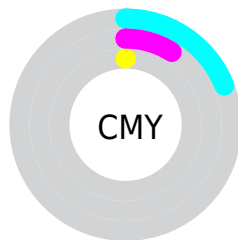
- Red (81%)
- Green (91%)
- Blue (100%)



- Red (81%)
- Yellow (87%)
- Blue (100%)



- Cyan (19%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6425, 78.6196, 105.9542 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 72.6425, 78.6196, 105.9542 by changing the saturation by 10% instead.



72.6425, 78.6196,  
105.9542

72.6425, 78.6196,  
105.9542

458.8978,  
490.2685, 600.5273

53.9710, 58.5831,  
80.6379

121.9754,  
131.4232, 171.4388

38.8091, 42.2776,  
59.7141

153.3676,  
164.9591, 212.4442

26.7913, 29.3187,  
42.7645

189.7307,  
203.7636, 259.5163

17.5523, 19.3221,  
29.3703

231.4301,  
248.2210, 313.0737

10.7268, 11.9032,  
19.1132

278.8312,  
298.7158, 373.5350

5.9494, 6.6778,  
11.5744

332.2992,

2.8547, 3.2614,

355.6324, 441.3187

6.3356

392.1997,  
419.3552, 516.8433

■ 1.0774, 1.2697,  
2.9781

■ 0.0061, 0.1176,  
1.0835

■ 72.6425, 78.6196,  
105.9542

■ 72.6425, 78.6196,  
105.9542

■ 62.9936, 68.9916,  
104.6043

■ 83.6543, 89.2664,  
107.4288

■ 54.6420, 60.3366,  
103.3739

95.0500, 100.0000,  
108.9000

■ 47.5259, 52.6187,  
102.2593

■ 41.5755, 45.7957,  
101.2559

■ 36.7133, 39.8212,  
100.3590

■ 32.8515, 34.6433,  
99.5631

■ 29.8862, 30.2014,  
98.8620

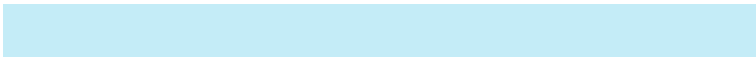
■ 27.6631, 26.4091,  
98.2472

■ 27.5055, 26.1310,  
98.2018

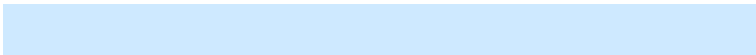
# Harmonies

## Analogous

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



69.7172, 78.6196, 99.6884



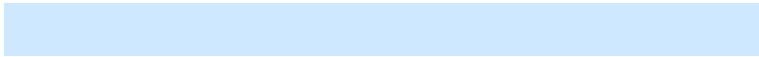
72.6425, 78.6196, 105.9542



76.2179, 78.6196, 106.5038

# Triad

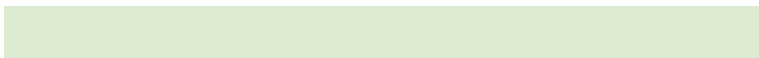
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.6425, 78.6196, 105.9542



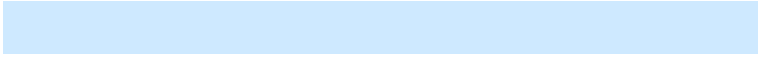
81.7056, 78.6196, 81.4273



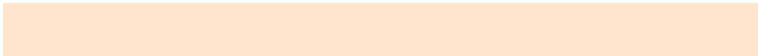
70.1516, 78.6196, 71.7497

# Complementary

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



72.6425, 78.6196, 105.9542



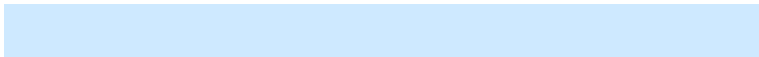
80.1237, 81.2020, 69.8448

# Split Complementary

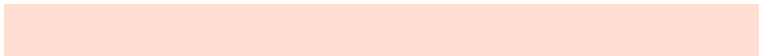
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.2528, 78.6196, 67.6335



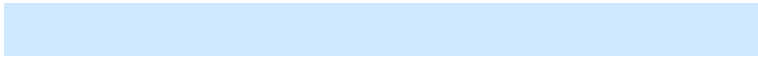
72.6425, 78.6196, 105.9542



79.9682, 78.6196, 72.9118

# Square

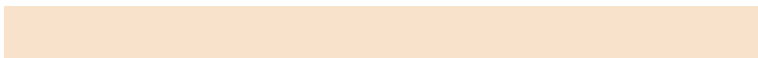
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



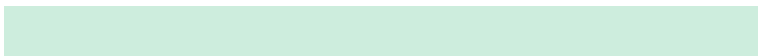
72.6425, 78.6196, 105.9542



81.5293, 78.6196, 91.7678



76.8481, 78.6196, 68.0410

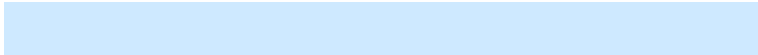


68.3113, 78.6196, 79.7214



# Rectangle

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



72.6425, 78.6196, 105.9542



78.4970, 78.6196, 103.4994



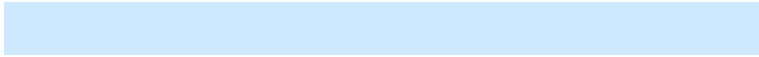
76.8481, 78.6196, 68.0410



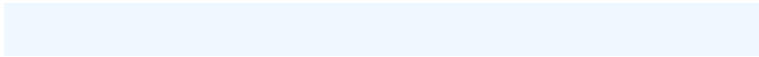
71.0769, 78.6196, 69.8992

# Sweetspot

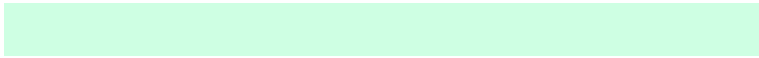
The Sweet Spot groups the original color and five complimentary colors.



72.6446, 78.6227, 105.9547



87.4913, 92.9086, 107.9296



75.1119, 90.2012, 86.2949



18.5573, 19.7260, 23.0794



0.0000, 0.0000, 0.0000

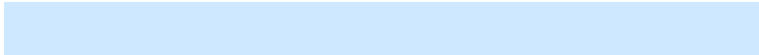


20.3446, 21.4041, 23.3091

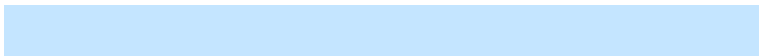


# Same Dimension

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



72.6446, 78.6227, 105.9547



68.8346, 74.8598, 105.4292



66.3709, 66.0753, 103.8634



17.8330, 19.0375, 22.9847



14.5236, 13.9567, 51.3630



1.5232, 1.5772, 5.0374



# Inverse Universe

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



78.0206, 71.2874, 86.7421



75.1560, 66.5368, 82.7703



87.1077, 95.1699, 72.1728



18.4283, 18.1546, 20.8727



24.1190, 12.1369, 14.5431

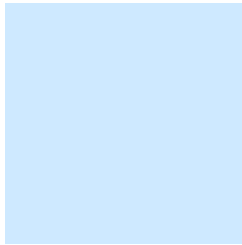


2.4035, 1.2038, 1.7061



# Previews

## White Background



This preview shows how the XYZ color 72.6425, 78.6196, 105.9542 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

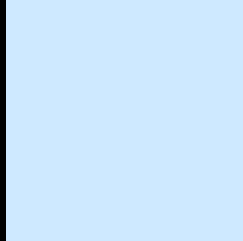
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.6425, 78.6196, 105.9542 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

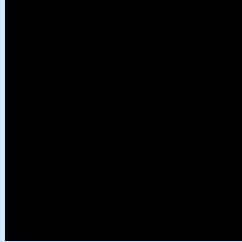
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

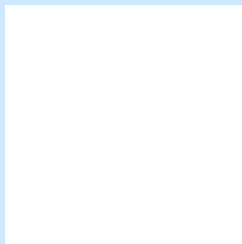
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.6425, 78.6196, 105.9542

## Background



This preview shows how black text looks on a background with the XYZ color 72.6425, 78.6196, 105.9542.



This preview shows how white text looks on a background with the XYZ color 72.6425, 78.6196,



# 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



### Original Color

72.6425, 78.6196, 105.9542

### Protanopia

76.2457, 78.0720, 102.3176

### Deuteranopia

79.3627, 77.9999, 105.4804



## Tritanopia

71.8864, 78.2852, 103.4172

# Trichromacy



## Original Color

72.6425, 78.6196, 105.9542

## Protanomaly

74.8034, 78.1270, 103.2329

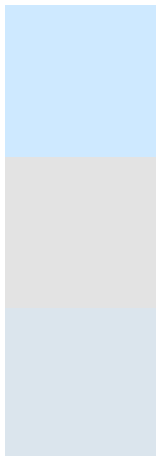
## Deuteranomaly

76.8831, 78.3269, 105.6742

## Tritanomaly

72.0454, 78.3488, 104.2541

# Monochromacy



## Original Color

72.6425, 78.6196, 105.9542

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.5188, 77.2131, 91.2022

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.6425, 78.6196, 105.9542 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(206, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 233, 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(206, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 233, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.6425, 78.6196, 105.9542 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(206, 233, 255) }
```



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

```
.border{ border-color:rgb(206, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 233,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.6425, 78.6196, 105.9542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 233, 255) }
```

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

```
.background{ background-color: rgb(206,  
233, 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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