

# Converting Colors

XYZ(72.2051, 75.6530,  
105.4046)

Have a look what the booklet for  
XYZ(72.2051, 75.6530, 105.4046)  
contains.

<b>XYZ(72.1103, 75.4616, 105.3727)</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(72.1103, 75.4616,  
105.3727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3E2FF
RGB	211, 226, 255
RGB Percent	83%, 89%, 100%
CMY	0.1725, 0.1137, 0.0000
CMYK	0.17, 0.11, 0.00, 0.00
HSL	220°, 100%, 91%
HSV	220°, 17%, 100%
XYZ	72.1103, 75.4616, 105.3727
YIQ	224.8210, -18.2490, 5.8390

# Conversions

## Conversions Part 2

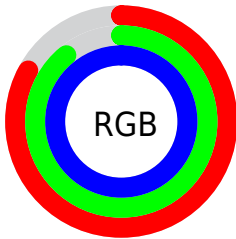
Format	Color
R <sub>Y</sub> B	211, 222, 255
Decimal	13886207
CIE Lab	89.61, 0.82, -15.74
CIE LCh	90, 15.764, 272.966
Yxy	75.4616, 0.2851, 0.2983
Android (android.graphics.Color)	4292076287 (0xFFD3E2FF)
YUV	224.8210, 14.8782, -12.1210
Hunter-Lab	86.8686, -3.8459, -11.1114

# Details

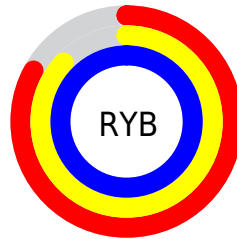
The XYZ color **72.1103, 75.4616, 105.3727** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.1575, 88.2820, 74.2342**, and the grayscale version is **71.3472, 75.0628, 81.7434**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4663, 40.2710, 59.1718** is the 20% darker color. If you saturate the color by 10%, you get **61.0286, 63.2960, 103.6085**, and if you desaturate by 10%, it is **84.8028, 89.1264, 107.3413**.

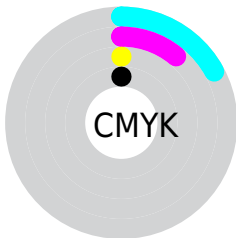
# Distribution



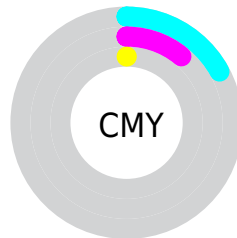
- Red (83%)
- Green (89%)
- Blue (100%)



- Red (83%)
- Yellow (87%)
- Blue (100%)



- Cyan (17%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1103, 75.4616, 105.3727 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 72.1103, 75.4616, 105.3727 by changing the saturation by 10% instead.



■ 72.1103, 75.4616,  
105.3727

■ 72.1103, 75.4616,  
105.3727

457.0771,  
479.5026, 598.6773

■ 53.5346, 55.9911,  
80.1532

121.2233,  
126.9656, 170.6371

■ 38.4589, 40.1958,  
59.3175

152.4913,  
159.7678, 211.5192

■ 26.5179, 27.6913,  
42.4471

188.7207,  
197.7829, 258.4592

■ 17.3462, 18.0930,  
29.1234

230.2769,  
241.3950, 311.8757

■ 10.5784, 11.0168,  
18.9278

277.5253,  
290.9886, 372.1872

■ 5.8493, 6.0781,  
11.4418

330.8313,

■ 2.7935, 2.8927,

346.9482, 439.8123

6.2469

390.5601,  
409.6581, 515.1695

■ 1.0455, 1.0760,  
2.9246

■ 0.0000, 0.0000,  
1.0563

■ 72.1103, 75.4616,  
105.3727

■ 72.1103, 75.4616,  
105.3727

■ 61.0286, 63.2960,  
103.6085

■ 84.8028, 89.1264,  
107.3413

■ 51.4842, 52.5668,  
102.0406

95.0500, 100.0000,  
108.9000

■ 43.4069, 43.2199,  
100.6622

■ 36.7182, 35.1938,  
99.4656

■ 31.3319, 28.4221,  
98.4424

■ 27.1509, 22.8313,  
97.5836

■ 24.0631, 18.3386,  
96.8792

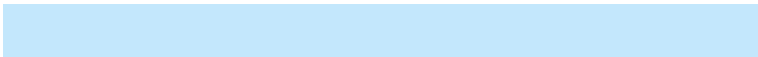
■ 21.9273, 14.8444,  
96.3173

■ 21.4542, 14.0284,  
96.1847

# Harmonies

## Analogous

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



68.3902, 75.4616, 102.6775



72.1103, 75.4616, 105.3727



75.8556, 75.4616, 101.4015

# Triad

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



72.1103, 75.4616, 105.3727



78.1592, 75.4616, 71.0909



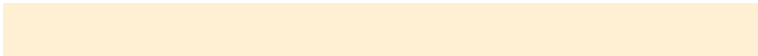
65.2892, 75.4616, 72.8419

# Complementary

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



72.1103, 75.4616, 105.3727



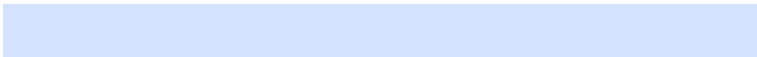
84.1575, 88.2820, 74.2342

# 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.



67.7452, 75.4616, 65.5293



72.1103, 75.4616, 105.3727



75.1644, 75.4616, 64.5841

# Square

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



72.1103, 75.4616, 105.3727



79.4259, 75.4616, 81.0654



71.3391, 75.4616, 62.6423



64.5368, 75.4616, 83.2742



# Rectangle

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



72.1103, 75.4616, 105.3727



77.8384, 75.4616, 95.6998



71.3391, 75.4616, 62.6423



65.9385, 75.4616, 69.9703

# Sweetspot

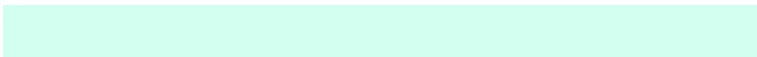
The Sweet Spot groups the original color and five complimentary colors.



72.1123, 75.4646, 105.3731



87.8916, 92.4172, 107.8137



78.2936, 91.6368, 95.6887



18.6044, 19.5597, 23.0448



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.



72.1123, 75.4646, 105.3731



67.7756, 70.7341, 104.6886



70.1394, 68.6539, 104.1625



17.5093, 18.3902, 22.8768



11.3341, 7.5777, 50.2999



1.2002, 0.9312, 4.9297



# Inverse Universe

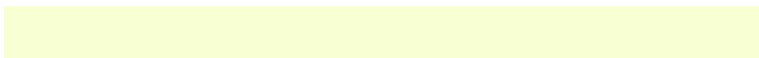
The Inverse Universe completely reimagines the original color for something new.



78.2630, 73.3410, 81.9863



75.1115, 68.3953, 76.7516



86.3717, 96.2530, 75.6560



18.2650, 18.0893, 20.0124



22.5091, 11.4929, 6.0655

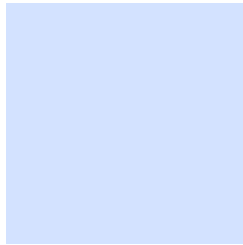


2.2404, 1.1385, 0.8475



# Previews

## White Background



This preview shows how the XYZ color 72.1103, 75.4616, 105.3727 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

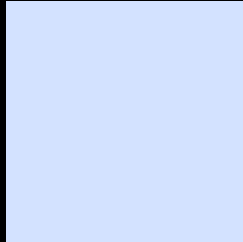
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1103, 75.4616, 105.3727 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

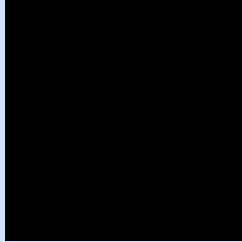
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 72.1103, 75.4616, 105.3727

## Background



This preview shows how black text looks on a background with the XYZ color 72.1103, 75.4616, 105.3727.



This preview shows how white text looks on a background with the XYZ color 72.1103, 75.4616,



# 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

72.1103, 75.4616, 105.3727

### Protanopia

73.9361, 75.2394, 103.5543

### Deuteranopia

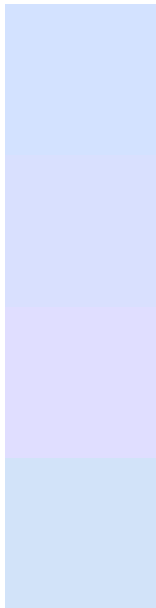
76.9219, 75.5622, 105.1385



## **Tritanopia**

70.6725, 75.6959, 98.0747

# Trichromacy



## Original Color

72.1103, 75.4616, 105.3727

## Protanomaly

73.1603, 75.2188, 104.4286

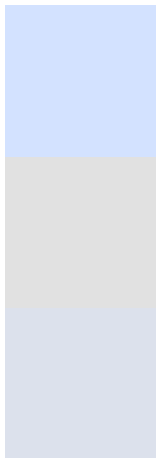
## Deuteranomaly

74.9117, 75.3098, 105.1957

## Tritanomaly

71.1463, 75.4794, 100.4417

# Monochromacy



## Original Color

72.1103, 75.4616, 105.3727

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.5807, 75.1222, 90.0842

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1103, 75.4616, 105.3727 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(211, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 226, 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(211, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 226, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1103, 75.4616, 105.3727 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(211, 226, 255) }
```



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

```
.border{ border-color:rgb(211, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 226,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1103, 75.4616, 105.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 226, 255) }
```

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

```
.background{ background-color: rgb(211,  
226, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor