

# Converting Colors

XYZ(72.5240, 76.3034, 98.1635)

Have a look what the booklet for  
XYZ(72.5240, 76.3034, 98.1635)  
contains.

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# Color

**XYZ(72.4225, 76.1909,  
98.0780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8E3F6
RGB	216, 227, 246
RGB Percent	85%, 89%, 96%
CMY	0.1529, 0.1098, 0.0353
CMYK	0.12, 0.08, 0.00, 0.04
HSL	218°, 63%, 91%
HSV	218°, 12%, 96%
XYZ	72.4225, 76.1909, 98.0780
YIQ	225.8770, -12.6550, 3.5770

# Conversions

## Conversions Part 2

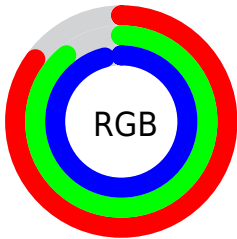
Format	Color
R <sub>Y</sub> B	216, 224, 246
Decimal	14214134
CIE Lab	89.95, 0.01, -10.48
CIE LCh	90, 10.484, 270.061
Yxy	76.1909, 0.2936, 0.3089
Android (android.graphics.Color)	4292404214 (0xFFD8E3F6)
YUV	225.8770, 9.9206, -8.6621
Hunter-Lab	87.2874, -4.6512, -5.5183

# Details

The XYZ color **72.4225, 76.1909, 98.0780** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.1094, 83.9669, 76.9522**, and the grayscale version is **72.1389, 75.8957, 82.6504**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7447, 40.7998, 54.5483** is the 20% darker color. If you saturate the color by 10%, you get **61.6225, 64.5837, 96.4080**, and if you desaturate by 10%, it is **84.7005, 89.1363, 99.9308**.

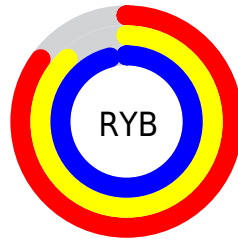
# Distribution



Red (85%)

Green (89%)

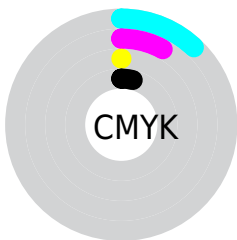
Blue (96%)



Red (85%)

Yellow (88%)

Blue (96%)

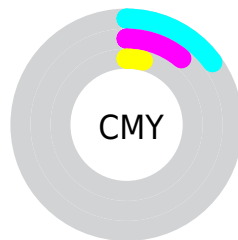


Cyan (12%)

Magenta (8%)

Yellow (0%)

Black (4%)



Cyan (15%)

Magenta (11%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4225, 76.1909, 98.0780 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 72.4225, 76.1909, 98.0780 by changing the saturation by 10% instead.



■ 72.4225, 76.1909,  
98.0780

■ 72.4225, 76.1909,  
98.0780

458.1457,  
482.0009, 575.2068

■ 53.7906, 56.5891,  
74.0885

121.6646,  
127.9967, 160.5422

■ 38.6643, 40.6754,  
54.3692

153.0055,  
160.9695, 199.8539

■ 26.6782, 28.0655,  
38.5017

189.3133,  
199.1680, 245.1100

■ 17.4670, 18.3751,  
26.0675

230.9536,  
242.9767, 296.7292

■ 10.6654, 11.2196,  
16.6479

278.2916,  
292.7799, 355.1299

■ 5.9079, 6.2147,  
9.8245

331.6928,

■ 2.8293, 2.9761,

348.9621, 420.7307

5.1787

391.5223,  
411.9077, 493.9502

■ 1.0641, 1.1193,  
2.2919

■ 0.0000, 0.0000,  
0.7267

■ 72.4225, 76.1909,  
98.0780

■ 72.4225, 76.1909,  
98.0780

■ 61.6225, 64.5837,  
96.4080

■ 84.7005, 89.1363,  
99.9308

■ 52.2354, 54.2601,  
94.9101

■ 93.6348, 99.4339,  
101.4475

■ 44.2011, 45.1752,  
93.5800

■ 37.4522, 37.2780,  
92.4114

■ 31.9152, 30.5133,  
91.3975

■ 27.5084, 24.8207,  
90.5310

■ 24.1390, 20.1331,  
89.8038

■ 21.6966, 16.3730,  
89.2067

■ 20.3101, 14.0045,  
88.8226

# Harmonies

## Analogous

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



69.9565, 76.1909, 95.9623



72.4225, 76.1909, 98.0780



74.9443, 76.1909, 95.9455

# Triad

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



72.4225, 76.1909, 98.0780



76.8201, 76.1909, 76.0076



68.1807, 76.1909, 76.0326

# Complementary

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



72.4225, 76.1909, 98.0780



80.1094, 83.9669, 76.9522

# 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.



69.9475, 76.1909, 71.2005



72.4225, 76.1909, 98.0780



74.9349, 76.1909, 71.1867

# Square

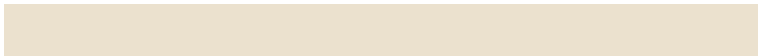
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4225, 76.1909, 98.0780



77.5200, 76.1909, 82.9437



72.4118, 76.1909, 69.4794



67.5434, 76.1909, 82.9742



# Rectangle

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



72.4225, 76.1909, 98.0780



76.3089, 76.1909, 92.4706



72.4118, 76.1909, 69.4794



68.6601, 76.1909, 74.1230

# Sweetspot

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



72.4248, 76.1941, 98.0797



89.3704, 94.0645, 108.0537



76.1992, 86.4811, 90.8967



18.9067, 19.9005, 23.0946



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.



72.4248, 76.1941, 98.0797



75.1051, 78.9617, 105.8904



70.5559, 70.9048, 97.1573



16.0788, 16.9220, 20.9614



10.9627, 7.7191, 47.4502



1.0580, 0.8675, 4.2019



# Inverse Universe

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



76.4288, 74.2522, 82.9806



80.3811, 76.5140, 85.9699



82.1415, 89.8365, 77.9780



16.7504, 16.5830, 18.4320



21.3380, 10.8786, 6.4881

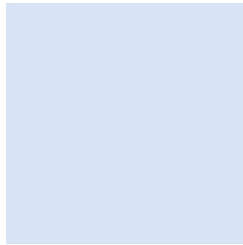


1.9231, 0.9752, 0.8214



# Previews

## White Background



This preview shows how the XYZ color 72.4225, 76.1909, 98.0780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

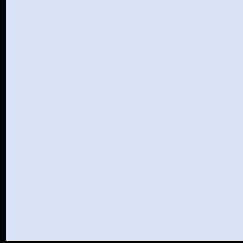
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.4225, 76.1909, 98.0780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

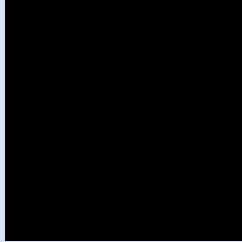
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

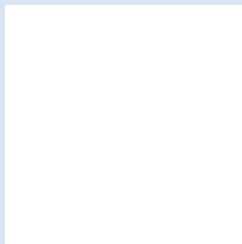
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.4225, 76.1909, 98.0780**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.4225, 76.1909, 98.0780.



This preview shows how white text looks on a background with the XYZ color 72.4225, 76.1909,



# 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

72.4225, 76.1909, 98.0780

### Protanopia

74.3057, 76.3896, 96.4163

### Deuteranopia

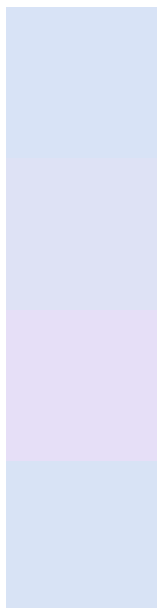
77.6416, 76.0789, 98.5882



## **Tritanopia**

72.2694, 76.1297, 97.2717

# Trichromacy



## Original Color

72.4225, 76.1909, 98.0780

## Protanomaly

73.8020, 76.5149, 97.2653

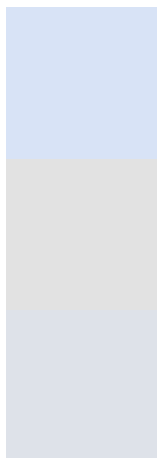
## Deuteranomaly

75.8093, 76.3137, 98.7301

## Tritanomaly

72.2694, 76.1297, 97.2717

# Monochromacy



## Original Color

72.4225, 76.1909, 98.0780

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.0285, 75.8055, 87.9264

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.4225, 76.1909, 98.0780 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(216, 227, 246)` looks like.

```
.text, #text, p{  
    color:rgb(216, 227, 246)  
}
```

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(216, 227, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 227, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 72.4225, 76.1909, 98.0780 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(216, 227, 246) }
```



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

```
.border{ border-color:rgb(216, 227, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 227, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 227, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 227, 246);  
box-shadow:4px 4px 4px 4px rgb(216, 227,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.4225, 76.1909, 98.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 227, 246) }
```

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

```
.background{ background-color: rgb(216,  
227, 246) }
```

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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