

# Converting Colors

XYZ(71.6533, 75.7385, 95.0439)

Have a look what the booklet for  
XYZ(71.6533, 75.7385, 95.0439)  
contains.

<b>XYZ(71.8150, 75.9479, 94.8788)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(71.8150, 75.9479,  
94.8788)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8E3F2
RGB	216, 227, 242
RGB Percent	85%, 89%, 95%
CMY	0.1529, 0.1098, 0.0510
CMYK	0.11, 0.06, 0.00, 0.05
HSL	215°, 50%, 90%
HSV	215°, 11%, 95%
XYZ	71.8150, 75.9479, 94.8788
YIQ	225.4210, -11.3710, 2.3330

# Conversions

## Conversions Part 2

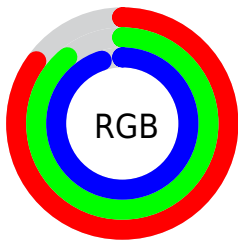
Format	Color
R <sub>Y</sub> B	216, 224, 242
Decimal	14214130
CIE Lab	89.84, -0.78, -8.55
CIE LCh	90, 8.591, 264.769
Yxy	75.9479, 0.2960, 0.3130
Android (android.graphics.Color)	4292404210 (0xFFD8E3F2)
YUV	225.4210, 8.1734, -8.2622
Hunter-Lab	87.1481, -5.4150, -3.5458

# Details

The XYZ color **71.8150, 75.9479, 94.8788** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.5889, 80.9865, 76.5097**, and the grayscale version is **71.8216, 75.5620, 82.2870**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3134, 40.6273, 52.2769** is the 20% darker color. If you saturate the color by 10%, you get **61.5213, 65.2034, 93.3486**, and if you desaturate by 10%, it is **83.4757, 87.8607, 96.5648**.

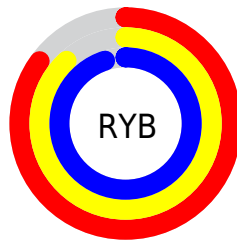
# Distribution



Red (85%)

Green (89%)

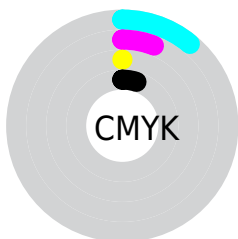
Blue (95%)



Red (85%)

Yellow (88%)

Blue (95%)

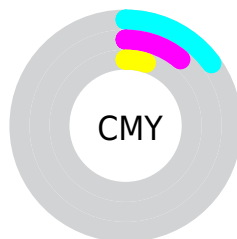


Cyan (11%)

Magenta (6%)

Yellow (0%)

Black (5%)



Cyan (15%)

Magenta (11%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8150, 75.9479, 94.8788 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 71.8150, 75.9479, 94.8788 by changing the saturation by 10% instead.



■ 71.8150, 75.9479,  
94.8788

■ 71.8150, 75.9479,  
94.8788

456.0651,  
481.1693, 564.7513

■ 53.2925, 56.3898,  
71.4378

120.8057,  
127.6533, 156.0913

■ 38.2647, 40.5155,  
52.2155

152.0046,  
160.5693, 194.6998

■ 26.3664, 27.9407,  
36.7935

188.1597,  
198.7068, 239.2013

■ 17.2320, 18.2810,  
24.7531

229.6363,  
242.4500, 290.0142

■ 10.4964, 11.1519,  
15.6758

276.7997,  
292.1836, 347.5571

■ 5.7941, 6.1691,  
9.1432

330.0155,

■ 2.7597, 2.9482,

348.2917, 412.2486

4.7366

389.6488,  
411.1588, 484.5072

■ 1.0280, 1.1047,  
2.0375

■ 0.0000, 0.0000,  
0.5782

■ 71.8150, 75.9479,  
94.8788

■ 71.8150, 75.9479,  
94.8788

■ 61.5213, 65.2034,  
93.3486

■ 83.4757, 87.8607,  
96.5648

■ 52.5347, 55.5793,  
91.9646

■ 93.0025, 99.1414,  
98.2401

■ 44.8006, 47.0384,  
90.7237

■ 93.0272, 99.1909,  
98.2483

■ 38.2578, 39.5374,  
89.6207

■ 32.8395, 33.0296,  
88.6501

■ 28.4717, 27.4640,  
87.8061

■ 25.0703, 22.7840,  
87.0820

■ 22.5361, 18.9243,  
86.4706

■ 20.8195, 15.9955,  
85.9958

# Harmonies

## Analogous

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



69.8591, 75.9479, 92.6059



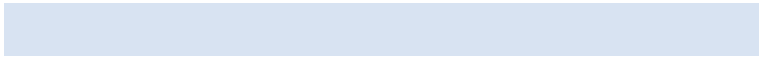
71.8150, 75.9479, 94.8788



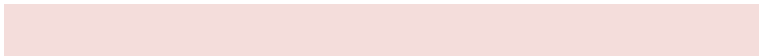
73.9082, 75.9479, 93.7590

# Triad

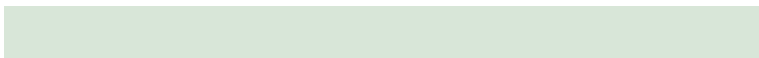
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.8150, 75.9479, 94.8788



75.9528, 75.9479, 77.8971



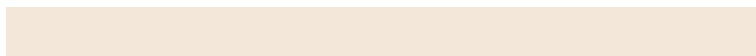
68.9061, 75.9479, 76.1381

# Complementary

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



71.8150, 75.9479, 94.8788



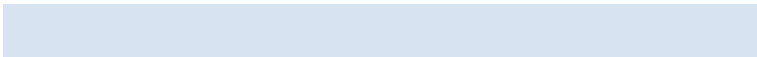
77.5889, 80.9865, 76.5097

# 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.



70.4911, 75.9479, 72.5363



71.8150, 75.9479, 94.8788



74.5644, 75.9479, 73.5165

# Square

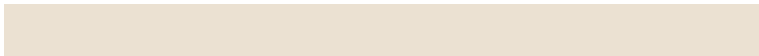
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.8150, 75.9479, 94.8788



76.3239, 75.9479, 83.7638



72.5587, 75.9479, 71.6004



68.2008, 75.9479, 81.6340



# Rectangle

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



71.8150, 75.9479, 94.8788



75.0964, 75.9479, 91.2664



72.5587, 75.9479, 71.6004



69.3522, 75.9479, 74.6766

# Sweetspot

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



71.8172, 75.9511, 94.8805



90.8998, 95.7948, 108.3070



74.4585, 83.8590, 87.6673



19.2241, 20.2679, 23.1488



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

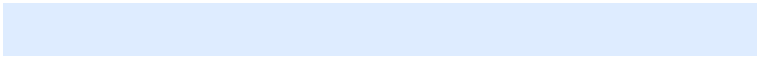


# Same Dimension

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



71.8172, 75.9511, 94.8805



78.0889, 82.6472, 106.4445



69.4180, 70.3883, 93.9332



15.4471, 16.3283, 20.0591



11.3129, 8.8501, 46.2399



1.0376, 0.9292, 3.8789



# Inverse Universe

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



75.0407, 73.5366, 82.9156



82.4442, 79.4720, 90.2592



80.1739, 87.0354, 77.5410



16.0504, 15.8699, 17.8215



21.0359, 10.6868, 8.1054

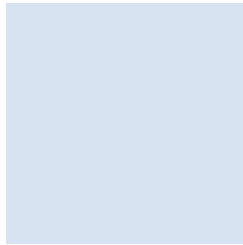


1.7987, 0.9085, 0.9307



# Previews

## White Background



This preview shows how the XYZ color 71.8150, 75.9479, 94.8788 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

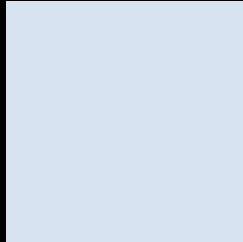
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.8150, 75.9479, 94.8788 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

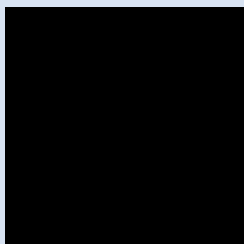
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

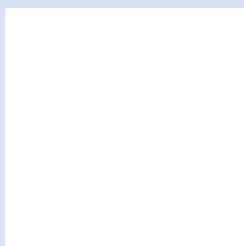
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.8150, 75.9479, 94.8788**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.8150, 75.9479, 94.8788.



This preview shows how white text looks on a background with the XYZ color 71.8150, 75.9479,



# 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

71.8150, 75.9479, 94.8788

### Protanopia

73.4352, 75.6101, 93.1618

### Deuteranopia

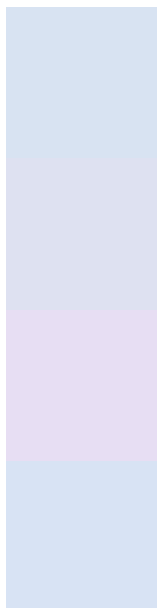
77.2573, 75.5454, 96.0978



## Tritanopia

72.2694, 76.1297, 97.2717

# Trichromacy



## Original Color

71.8150, 75.9479, 94.8788

## Protanomaly

72.9266, 75.7309, 93.9930

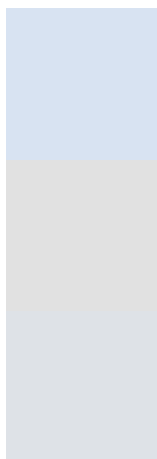
## Deuteranomaly

75.2539, 75.7025, 95.4398

## Tritanomaly

72.1171, 76.0688, 96.4697

# Monochromacy



## Original Color

71.8150, 75.9479, 94.8788

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.7444, 75.6918, 86.4300

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.8150, 75.9479, 94.8788 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(216, 227, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 227, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 71.8150, 75.9479, 94.8788 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, 242) }
```



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

```
.border{ border-color:rgb(216, 227, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 227, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 227, 242);  
box-shadow:4px 4px 4px 4px rgb(216, 227,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.8150, 75.9479, 94.8788 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, 242) }
```

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

```
.background{ background-color: rgb(216,  
227, 242) }
```

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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