

# Converting Colors

XYZ(72.1256, 82.1217, 98.4400)

Have a look what the booklet for  
XYZ(72.1256, 82.1217, 98.4400)  
contains.

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# Color

**XYZ(72.0241, 81.9207,  
98.4024)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9F1F5
RGB	201, 241, 245
RGB Percent	79%, 95%, 96%
CMY	0.2118, 0.0549, 0.0392
CMYK	0.18, 0.02, 0.00, 0.04
HSL	185°, 69%, 87%
HSV	185°, 18%, 96%
XYZ	72.0241, 81.9207, 98.4024
YIQ	229.4960, -25.1240, -7.2360

# Conversions

## Conversions Part 2

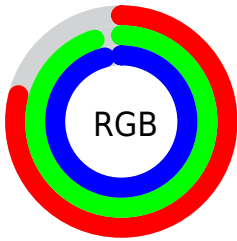
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 222, 245
Decimal	13234677
CIE Lab	92.54, -12.00, -6.23
CIE LCh	93, 13.520, 207.428
Yxy	81.9207, 0.2854, 0.3246
Android (android.graphics.Color)	4291424757 (0xFFC9F1F5)
YUV	229.4960, 7.6435, -24.9910
Hunter-Lab	90.5101, -16.3498, -1.1030

# Details

The XYZ color **72.0241, 81.9207, 98.4024** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.0307, 67.2921, 64.5574**, and the grayscale version is **74.8021, 78.6977, 85.7017**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3883, 44.4830, 54.7069** is the 20% darker color. If you saturate the color by 10%, you get **65.3020, 77.4854, 97.9019**, and if you desaturate by 10%, it is **79.8095, 86.9203, 98.9584**.

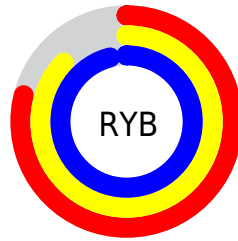
# Distribution



Red (79%)

Green (95%)

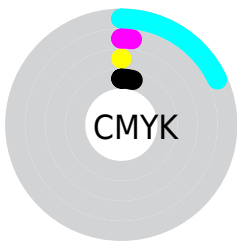
Blue (96%)



Red (79%)

Yellow (87%)

Blue (96%)

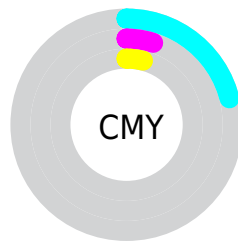


Cyan (18%)

Magenta (2%)

Yellow (0%)

Black (4%)



Cyan (21%)

Magenta (5%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0241, 81.9207, 98.4024 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 72.0241, 81.9207, 98.4024 by changing the saturation by 10% instead.



72.0241, 81.9207,  
98.4024

72.0241, 81.9207,  
98.4024

456.7818,  
501.3824, 576.2612

53.4639, 61.3002,  
74.3576

121.1014,  
136.0628, 160.9927

38.4022, 44.4675,  
54.5882

152.3492,  
170.3531, 200.3751

26.4736, 31.0382,  
38.6757

188.5570,  
209.9689, 245.7073

17.3128, 20.6279,  
26.2017

230.0900,  
255.2944, 297.4076

10.5545, 12.8523,  
16.7475

277.3136,  
306.7142, 355.8946

5.8332, 7.3269,  
9.8945

330.5932,

2.7836, 3.6674,

364.6125, 421.5868

5.2244

390.2942,  
429.3737, 494.9029

■ 1.0404, 1.4893,  
2.3185

■ 0.0000, 0.2812,  
0.7415

■ 72.0241, 81.9207,  
98.4024

■ 72.0241, 81.9207,  
98.4024

■ 65.3020, 77.4854,  
97.9019

■ 79.8095, 86.9203,  
98.9584

■ 59.5862, 73.5788,  
97.4491

■ 88.6975, 92.4982,  
99.5666

■ 54.8255, 70.1763,  
97.0433

■ 91.1912, 94.7917,  
99.8779

■ 50.9611, 67.2477,  
96.6817

■ 91.8783, 96.1660,  
100.1069

■ 47.9276, 64.7593,  
96.3613

■ 92.5736, 97.5566,  
100.3387

■ 45.6509, 62.6727,  
96.0785

■ 93.2771, 98.9635,  
100.5732

■ 44.0434, 60.9428,  
95.8293

■ 93.4817, 99.3727,  
100.6413

■ 42.9858, 59.5080,  
95.6081

■ 42.8019, 59.2331,  
95.5647

# Harmonies

## Analogous

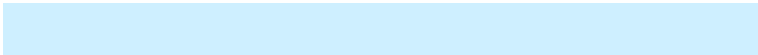
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.3125, 81.9207, 88.3330



72.0241, 81.9207, 98.4024



74.2854, 81.9207, 106.5012

# Triad

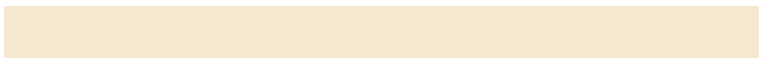
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.0241, 81.9207, 98.4024



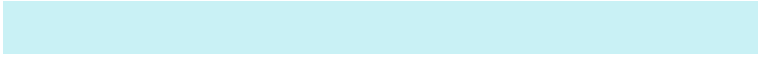
83.6913, 81.9207, 100.0154



78.1665, 81.9207, 71.2453

# Complementary

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



72.0241, 81.9207, 98.4024



70.0307, 67.2921, 64.5574

# 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.



81.5540, 81.9207, 73.8779



72.0241, 81.9207, 98.4024



84.8031, 81.9207, 90.0680

# Square

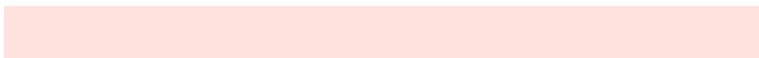
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0241, 81.9207, 98.4024



81.0141, 81.9207, 107.4805



84.0096, 81.9207, 80.5857



74.7950, 81.9207, 73.1155

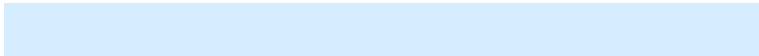


# Rectangle

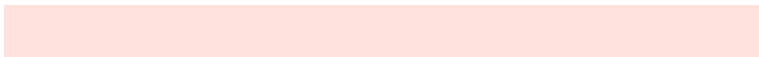
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



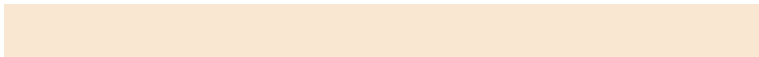
72.0241, 81.9207, 98.4024



76.4031, 81.9207, 109.4281



84.0096, 81.9207, 80.5857



79.3417, 81.9207, 71.6283

# Sweetspot

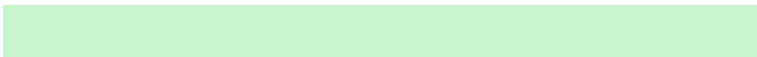
The Sweet Spot groups the original color and five complimentary colors.



72.0265, 81.9241, 98.4042



90.1455, 96.9248, 108.5649



67.7204, 82.1154, 69.8289



19.1526, 20.6562, 23.2275



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.



72.0265, 81.9241, 98.4042



75.7325, 87.6601, 107.5363



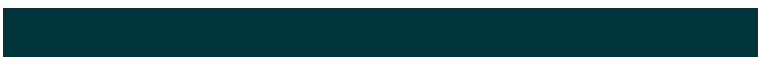
65.9888, 69.8487, 96.3917



16.8605, 18.4852, 21.2219



23.1118, 32.0174, 51.4999



2.0682, 2.8879, 4.5386



# Inverse Universe

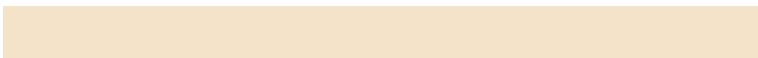
The Inverse Universe completely reimagines the original color for something new.



74.4219, 67.5383, 92.3368



78.8807, 68.9570, 99.5163



75.5782, 78.3870, 66.4066



17.1449, 16.7408, 20.5096



27.4703, 13.3315, 38.7804

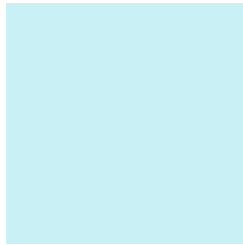


2.4330, 1.1792, 3.5066



# Previews

## White Background



This preview shows how the XYZ color 72.0241, 81.9207, 98.4024 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

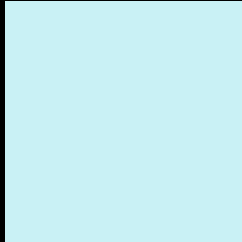
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0241, 81.9207, 98.4024 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 72.0241, 81.9207, 98.4024

## Background



This preview shows how black text looks on a background with the XYZ color 72.0241, 81.9207, 98.4024.



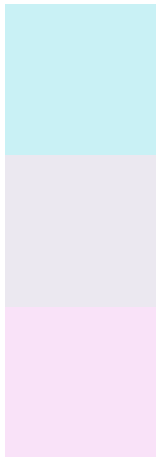
This preview shows how white text looks on a background with the XYZ color 72.0241, 81.9207,



# 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

72.0241, 81.9207, 98.4024

### Protanopia

78.8457, 81.6667, 94.0457

### Deuteranopia

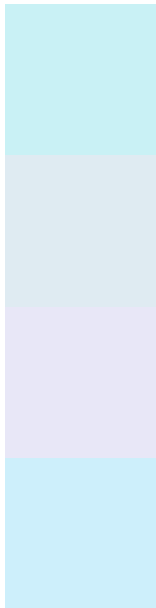
83.2066, 81.3098, 100.1158



## Tritanopia

74.6370, 81.7790, 106.4589

# Trichromacy



## Original Color

72.0241, 81.9207, 98.4024

## Protanomaly

76.1668, 81.5154, 95.7240

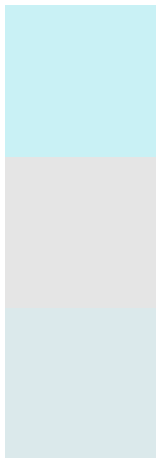
## Deuteranomaly

78.6431, 81.0230, 99.4898

## Tritanomaly

73.4559, 81.6772, 103.1605

# Monochromacy



## Original Color

72.0241, 81.9207, 98.4024

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

73.3477, 79.3361, 90.0448

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0241, 81.9207, 98.4024 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(201, 241, 245)` looks like.

```
.text, #text, p{  
    color:rgb(201, 241, 245)  
}
```

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(201, 241, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 241, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0241, 81.9207, 98.4024 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(201, 241, 245) }
```



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

```
.border{ border-color:rgb(201, 241, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 241, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 241, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 241, 245);  
box-shadow:4px 4px 4px 4px rgb(201, 241,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0241, 81.9207, 98.4024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 241, 245) }
```

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

```
.background{ background-color: rgb(201,  
241, 245) }
```

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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