

Converting Colors

XYZ(50.3028, 51.5751, 72.9502)

Have a look what the booklet for
XYZ(50.3028, 51.5751, 72.9502)
contains.

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Color

**XYZ(50.2504, 51.4722,
72.9323)**

Conversions

Conversions Part 1

Format	Color
Hex	B7BDD9
RGB	183, 189, 217
RGB Percent	72%, 74%, 85%
CMY	0.2823, 0.2588, 0.1490
CMYK	0.16, 0.13, 0.00, 0.15
HSL	229°, 31%, 78%
HSV	229°, 16%, 85%
XYZ	50.2504, 51.4722, 72.9323
YIQ	190.3980, -12.5640, 7.4360

Conversions

Conversions Part 2

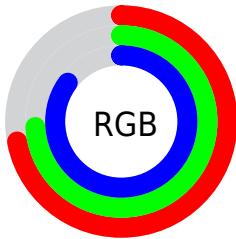
Format	Color
R _Y B	183, 188, 217
Decimal	12041689
CIE Lab	76.96, 3.59, -14.71
CIE LCh	77, 15.141, 283.725
Yxy	51.4722, 0.2877, 0.2947
Android (android.graphics.Color)	4290231769 (0xFFB7BDD9)
YUV	190.3980, 13.1148, -6.4880
Hunter-Lab	71.7441, -0.5288, -10.0510

Details

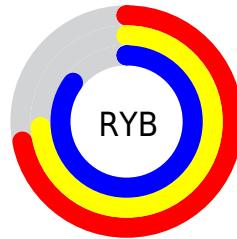
The XYZ color **50.2504, 51.4722, 72.9323** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **60.4571, 64.7590, 54.1142**, and the grayscale version is **49.1061, 51.6635, 56.2615**.

A 20% lighter version of the original color is **86.2990, 90.8755, 107.6000**, and **24.5317, 24.9628, 37.7078** is the 20% darker color. If you saturate the color by 10%, you get **41.8718, 41.7951, 71.5069**, and if you desaturate by 10%, it is **59.9015, 62.5110, 74.5552**.

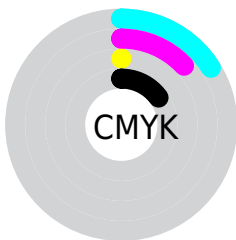
Distribution



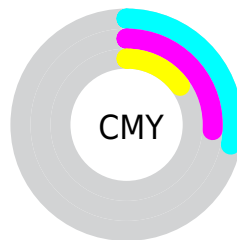
- Red (72%)
- Green (74%)
- Blue (85%)



- Red (72%)
- Yellow (74%)
- Blue (85%)



- Cyan (16%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)



- Cyan (28%)
- Magenta (26%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2504, 51.4722, 72.9323 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 50.2504, 51.4722, 72.9323 by changing the saturation by 10% instead.

■ 50.2504, 51.4722,
72.9323

■ 50.2504, 51.4722,
72.9323

378.0802,
392.3956, 489.8446

■ 35.8310, 36.5845,
53.4291

■ 89.7354, 92.3524,
125.1011

■ 24.4732, 24.8860,
37.7554

115.5317,
119.1137, 158.6038

■ 15.8117, 15.9921,
25.4925

145.8510,
150.6017, 197.6102

■ 9.4810, 9.5186,
16.2220

181.0587,
187.2008, 242.5386

■ 5.1158, 5.0810,
9.5254

221.5201,
229.2953, 293.8078

■ 2.3508, 2.2948,
4.9839

267.6005,

■ 0.8205, 0.7710,

277.2697, 351.8361

2.1793

319.6655,
331.5083, 417.0422

■ 0.0000, 0.0000,
0.6624

■ 0.0000, 0.0000,
0.0000

■ 50.2504, 51.4722,
72.9323

■ 50.2504, 51.4722,
72.9323

■ 41.8718, 41.7951,
71.5069

■ 59.9015, 62.5110,
74.5552

■ 34.7075, 33.4203,
70.2679

■ 70.8706, 74.9551,
76.3790

■ 28.7018, 26.2933,
69.2088

■ 83.2068, 88.8541,
78.4116

■ 23.7925, 20.3533,
68.3211

■ 89.5245, 97.7898,
79.8034

■ 19.9118, 15.5345,
67.5955

■ 16.9837, 11.7641,
67.0220

■ 14.9215, 8.9604,
66.5896

■ 13.6212, 7.0284,
66.2852

■ 13.2276, 6.4159,
66.1877

Harmonies

Analogous

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



47.3851, 51.4722, 72.7145



50.2504, 51.4722, 72.9323



52.8569, 51.4722, 68.3233

Triad

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



50.2504, 51.4722, 72.9323



53.0408, 51.4722, 45.7678



43.7901, 51.4722, 51.7104

Complementary

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



50.2504, 51.4722, 72.9323



60.4571, 64.7590, 54.1142

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.



45.1889, 51.4722, 45.3327



50.2504, 51.4722, 72.9323



50.4934, 51.4722, 42.1393

Square

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



50.2504, 51.4722, 72.9323



54.5102, 51.4722, 52.3600



47.6188, 51.4722, 41.9883



43.7308, 51.4722, 59.8979

Rectangle

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



50.2504, 51.4722, 72.9323



54.0658, 51.4722, 63.3733



47.6188, 51.4722, 41.9883



44.1167, 51.4722, 49.3037

Sweetspot

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



50.2520, 51.4743, 72.9335



87.2554, 91.1447, 107.6016



56.0709, 64.3854, 70.9480



18.4501, 19.2513, 22.9934



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.



50.2520, 51.4743, 72.9335



67.9833, 69.0741, 104.3573



51.6472, 50.3164, 72.6364



12.5236, 12.9870, 16.4988



8.0615, 3.9924, 40.0841



0.5791, 0.3724, 2.6158

Inverse Universe

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



54.7353, 52.2940, 55.3554



75.7230, 70.5795, 73.9917



58.8795, 66.2008, 54.4756



13.1494, 13.0889, 14.0481



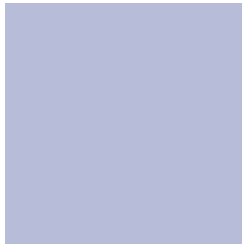
17.5644, 9.0268, 2.0862



1.1666, 0.5963, 0.2863

Previews

White Background



This preview shows how the XYZ color 50.2504, 51.4722, 72.9323 looks on a white background.

Color Contrast Check

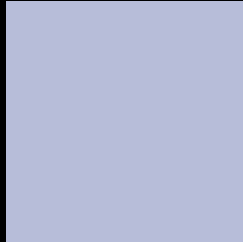
Large Text (above 18pt) WCAG AA × Fail

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 50.2504, 51.4722, 72.9323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

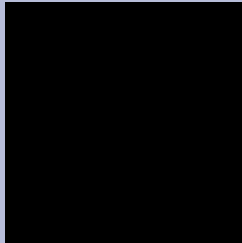
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2504, 51.4722, 72.9323

Background



This preview shows how black text looks on a background with the XYZ color 50.2504, 51.4722, 72.9323.



This preview shows how white text looks on a background with the XYZ color 50.2504, 51.4722,

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

50.2504, 51.4722, 72.9323

Protanopia

50.5152, 51.2905, 72.8833

Deuteranopia

52.5095, 51.3620, 73.4760



Tritanopia

48.8274, 51.5416, 65.7676

Trichromacy



Original Color

50.2504, 51.4722, 72.9323

Protanomaly

50.2748, 51.1665, 72.8720

Deuteranomaly

51.6997, 51.2561, 73.4982

Tritanomaly

49.3377, 51.4251, 68.2984

Monochromacy



Original Color

50.2504, 51.4722, 72.9323

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.3323, 51.5618, 61.9959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2504, 51.4722, 72.9323 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(183, 189, 217)` looks like.

```
.text, #text, p{  
    color:rgb(183, 189, 217)  
}
```

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(183, 189, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 189, 217) }
```

Border

The CSS property to change the border of an element to XYZ 50.2504, 51.4722, 72.9323 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(183, 189, 217) }
```


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

```
.border{ border-color:rgb(183, 189, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 189, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 189, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 189, 217); box-shadow:4px 4px 4px 4px rgb(183, 189, 217) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2504, 51.4722, 72.9323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 189, 217) }
```

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

```
.background{ background-color: rgb(183,  
189, 217) }
```

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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