

Converting Colors

XYZ(50.8944, 50.9246, 77.7045)

Have a look what the booklet for
XYZ(50.8944, 50.9246, 77.7045)
contains.

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Color

**XYZ(50.9920, 51.1128,
77.6992)**

Conversions

Conversions Part 1

Format	Color
Hex	B8BBE0
RGB	184, 187, 224
RGB Percent	72%, 73%, 88%
CMY	0.2784, 0.2667, 0.1216
CMYK	0.18, 0.17, 0.00, 0.12
HSL	235°, 39%, 80%
HSV	235°, 18%, 88%
XYZ	50.9920, 51.1128, 77.6992
YIQ	190.3210, -13.6650, 10.8710

Conversions

Conversions Part 2

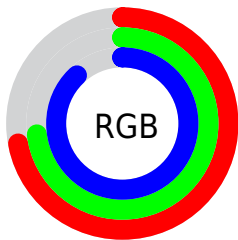
Format	Color
R _Y B	184, 187, 224
Decimal	12106720
CIE Lab	76.75, 6.51, -18.81
CIE LCh	77, 19.908, 289.076
Yxy	51.1128, 0.2836, 0.2843
Android (android.graphics.Color)	4290296800 (0xFFB8BBE0)
YUV	190.3210, 16.6037, -5.5435
Hunter-Lab	71.4932, 2.2007, -14.3914

Details

The XYZ color **50.9920, 51.1128, 77.6992** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.2490, 71.0207, 55.6180**, and the grayscale version is **49.0427, 51.5967, 56.1889**.

A 20% lighter version of the original color is **86.0358, 89.8464, 107.4153**, and **25.0466, 24.7401, 40.9913** is the 20% darker color. If you saturate the color by 10%, you get **41.9624, 40.3979, 76.1078**, and if you desaturate by 10%, it is **61.5085, 63.5382, 79.5441**.

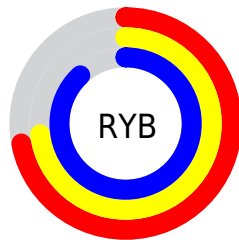
Distribution



Red (72%)

Green (73%)

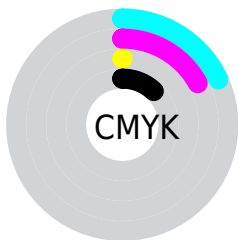
Blue (88%)



Red (72%)

Yellow (73%)

Blue (88%)

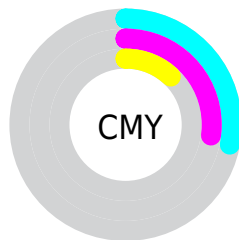


Cyan (18%)

Magenta (17%)

Yellow (0%)

Black (12%)



Cyan (28%)

Magenta (27%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9920, 51.1128, 77.6992 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 50.9920, 51.1128, 77.6992 by changing the saturation by 10% instead.

■ 50.9920, 51.1128,
77.6992

■ 50.9920, 51.1128,
77.6992

380.9209,
391.0019, 506.6455

■ 36.4233, 36.2984,
57.3119

■ 90.8260, 91.8215,
131.9080

■ 24.9329, 24.6647,
40.8447

116.8220,
118.4846, 166.5666

■ 16.1555, 15.8274,
27.8790

147.3578,
149.8660, 206.8195

■ 9.7258, 9.4021,
17.9962

182.7987,
186.3501, 253.0850

■ 5.2784, 5.0044,
10.7778

223.5101,
228.3214, 305.7819

■ 2.4480, 2.2498,
5.8054

269.8573,

■ 0.8691, 0.7470,

276.1642, 365.3285

2.6602

322.2058,
330.2629, 432.1436

■ 0.0000, 0.0000,
0.9233

■ 0.0000, 0.0000,
0.0000

■ 50.9920, 51.1128,
77.6992

■ 50.9920, 51.1128,
77.6992

■ 41.9624, 40.3979,
76.1078

■ 61.5085, 63.5382,
79.5441

■ 34.3481, 31.3125,
74.7554

■ 73.5699, 77.7377,
81.6492

■ 28.0785, 23.7787,
73.6317

■ 87.2368, 93.7797,
84.0252

■ 23.0753, 17.7094,
72.7239

■ 90.4547, 98.1619,
84.7015

■ 19.2520, 13.0090,
72.0181

■ 16.5109, 9.5707,
71.4990

■ 14.7390, 7.2716,
71.1486

■ 13.7876, 5.9585,
70.9453

■ 13.6522, 5.7770,
70.9174

Harmonies

Analogous

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



47.2188, 51.1128, 78.6585



50.9920, 51.1128, 77.6992



54.2739, 51.1128, 70.4094

Triad

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



50.9920, 51.1128, 77.6992



53.4922, 51.1128, 41.3790



41.7977, 51.1128, 51.8064

Complementary

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



50.9920, 51.1128, 77.6992



65.2490, 71.0207, 55.6180

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.



43.3011, 51.1128, 43.1177



50.9920, 51.1128, 77.6992



49.9696, 51.1128, 37.6373

Square

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



50.9920, 51.1128, 77.6992



55.7682, 51.1128, 49.1326



46.2476, 51.1128, 38.2297



42.0398, 51.1128, 62.7265

Rectangle

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



50.9920, 51.1128, 77.6992



55.6805, 51.1128, 63.4111



46.2476, 51.1128, 38.2297



42.1125, 51.1128, 48.5552

Sweetspot

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



50.9936, 51.1149, 77.7003



86.8664, 90.3666, 107.4719



59.4306, 68.7053, 78.3040



18.3560, 19.0629, 22.9620



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.



50.9936, 51.1149, 77.7003



64.2022, 63.5874, 103.4975



54.5940, 52.0353, 77.6883



13.0343, 13.4077, 17.2886



7.9781, 3.4257, 41.2891



0.5823, 0.2961, 2.8717

Inverse Universe

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



56.8518, 53.7174, 54.3881



73.3079, 67.6739, 67.2535



61.1337, 70.0864, 55.6545



13.7488, 13.7171, 14.4472



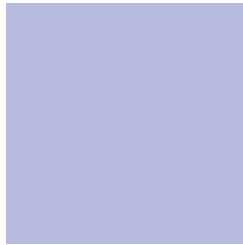
17.9672, 9.2539, 1.2270



1.2602, 0.6473, 0.1630

Previews

White Background



This preview shows how the XYZ color 50.9920, 51.1128, 77.6992 looks on a white background.

Color Contrast Check

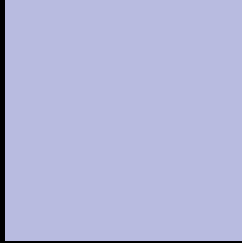
Large Text (above 18pt) WCAG AA × Fail

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 50.9920, 51.1128, 77.6992 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 50.9920, 51.1128, 77.6992

Background



This preview shows how black text looks on a background with the XYZ color 50.9920, 51.1128, 77.6992.



This preview shows how white text looks on a background with the XYZ color 50.9920, 51.1128,

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

50.9920, 51.1128, 77.6992

Protanopia

50.7292, 51.2933, 77.7479

Deuteranopia

52.2894, 51.1561, 77.6392



Tritanopia

48.4890, 51.0584, 65.0572

Trichromacy



Original Color

50.9920, 51.1128, 77.6992

Protanomaly

50.9662, 51.4155, 77.7590

Deuteranomaly

51.7525, 51.1910, 77.6742

Tritanomaly

49.3727, 51.0937, 69.5472

Monochromacy



Original Color

50.9920, 51.1128, 77.6992

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.5973, 51.3508, 63.1748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9920, 51.1128, 77.6992 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(184, 187, 224)` looks like.

```
.text, #text, p{  
    color:rgb(184, 187, 224)  
}
```

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(184, 187, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 187, 224) }
```

Border

The CSS property to change the border of an element to XYZ 50.9920, 51.1128, 77.6992 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(184, 187, 224) }
```


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

```
.border{ border-color:rgb(184, 187, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 187, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 187, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 187, 224);  
box-shadow:4px 4px 4px 4px rgb(184, 187,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9920, 51.1128, 77.6992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 187, 224) }
```

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

```
.background{ background-color: rgb(184,  
187, 224) }
```

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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