

Converting Colors

XYZ(50.6350, 52.2825, 76.8657)

Have a look what the booklet for
XYZ(50.6350, 52.2825, 76.8657)
contains.

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Color

**XYZ(50.6380, 52.2388,
76.5214)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BFDE
RGB	180, 191, 222
RGB Percent	71%, 75%, 87%
CMY	0.2941, 0.2510, 0.1294
CMYK	0.19, 0.14, 0.00, 0.13
HSL	224°, 39%, 79%
HSV	224°, 19%, 87%
XYZ	50.6380, 52.2388, 76.5214
YIQ	191.2450, -16.5070, 7.3090

Conversions

Conversions Part 2

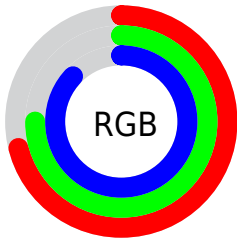
Format	Color
R _Y B	180, 189, 222
Decimal	11845598
CIE Lab	77.42, 2.65, -16.74
CIE LCh	77, 16.950, 278.994
Yxy	52.2388, 0.2823, 0.2912
Android (android.graphics.Color)	4290035678 (0xFFB4BFDE)
YUV	191.2450, 15.1622, -9.8619
Hunter-Lab	72.2764, -1.4238, -12.1788

Details

The XYZ color **50.6380, 52.2388, 76.5214** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **61.6572, 65.4135, 52.5577**, and the grayscale version is **49.5863, 52.1686, 56.8116**.

A 20% lighter version of the original color is **85.9028, 91.5744, 107.7558**, and **24.8159, 25.4790, 40.1692** is the 20% darker color. If you saturate the color by 10%, you get **42.5026, 43.0350, 75.1745**, and if you desaturate by 10%, it is **60.0041, 62.6731, 78.0426**.

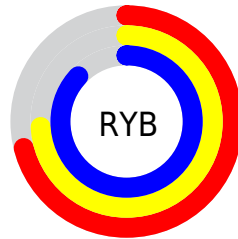
Distribution



Red (71%)

Green (75%)

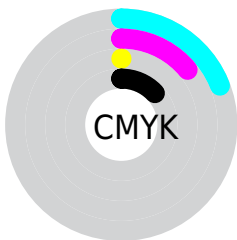
Blue (87%)



Red (71%)

Yellow (74%)

Blue (87%)

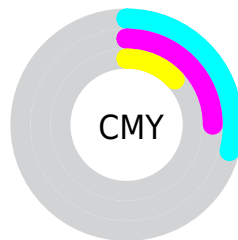


Cyan (19%)

Magenta (14%)

Yellow (0%)

Black (13%)



Cyan (29%)

Magenta (25%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6380, 52.2388, 76.5214 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 50.6380, 52.2388, 76.5214 by changing the saturation by 10% instead.

■ 50.6380, 52.2388,
76.5214

■ 50.6380, 52.2388,
76.5214

379.5666,
395.3578, 502.5249

■ 36.1405, 37.1955,
56.3509

■ 90.3056, 93.4833,
130.2305

■ 24.7133, 25.3589,
40.0785

116.2064,
120.4533, 164.6062

■ 15.9912, 16.3446,
27.2855

146.6390,
152.1676, 204.5541

■ 9.6087, 9.7683,
17.5534

181.9688,
189.0106, 250.4927

■ 5.2006, 5.2456,
10.4637

222.5611,
231.3667, 302.8405

■ 2.4014, 2.3921,
5.5979

268.7812,

■ 0.8458, 0.8218,

279.6204, 362.0162

2.5373

320.9946,
334.1560, 428.4381

■ 0.0000, 0.0000,
0.8598

■ 0.0000, 0.0000,
0.0000

■ 50.6380, 52.2388,
76.5214

■ 50.6380, 52.2388,
76.5214

■ 42.5026, 43.0350,
75.1745

■ 60.0041, 62.6731,
78.0426

■ 35.5407, 35.0088,
73.9922

■ 70.6452, 74.3754,
79.7405

■ 29.6975, 28.1128,
72.9691

■ 82.6095, 87.3894,
81.6219

■ 24.9119, 22.2937,
72.0982

■ 90.1850, 98.0540,
83.2811

■ 21.1165, 17.4937,
71.3717

■ 18.2358, 13.6490,
70.7814

■ 16.1820, 10.6874,
70.3181

■ 14.8270, 8.5135,
69.9699

■ 14.7058, 8.3156,
69.9381

Harmonies

Analogous

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



47.4377, 52.2388, 75.3423



50.6380, 52.2388, 76.5214



53.7019, 52.2388, 72.0072

Triad

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



50.6380, 52.2388, 76.5214



54.6854, 52.2388, 46.3123



44.0254, 52.2388, 50.6823

Complementary

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



50.6380, 52.2388, 76.5214



61.6572, 65.4135, 52.5577

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.



45.8099, 52.2388, 44.0339



50.6380, 52.2388, 76.5214



51.9330, 52.2388, 41.7094

Square

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



50.6380, 52.2388, 76.5214



56.1050, 52.2388, 54.1181



48.6777, 52.2388, 40.9235



43.7127, 52.2388, 59.7326

Rectangle

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



50.6380, 52.2388, 76.5214



55.2214, 52.2388, 66.6392



48.6777, 52.2388, 40.9235



44.4691, 52.2388, 48.1219

Sweetspot

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



50.6396, 52.2409, 76.5226



86.1463, 90.2185, 107.4813



56.6775, 66.6400, 71.3732



18.2398, 19.0909, 22.9735



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.



50.6396, 52.2409, 76.5226



64.3780, 65.9466, 103.9436



50.6925, 48.8392, 75.8632



13.2425, 13.8242, 17.3581



8.8121, 5.0937, 41.5671



0.6829, 0.4972, 2.9052

Inverse Universe

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



55.8507, 51.9350, 56.3734



72.9065, 65.6370, 70.9246



61.5695, 69.5656, 53.3637



13.8539, 13.7592, 15.0008



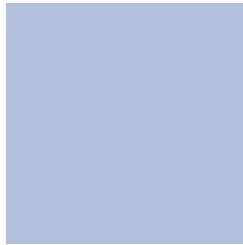
18.3881, 9.4222, 3.4436



1.3109, 0.6676, 0.4302

Previews

White Background



This preview shows how the XYZ color 50.6380, 52.2388, 76.5214 looks on a white background.

Color Contrast Check

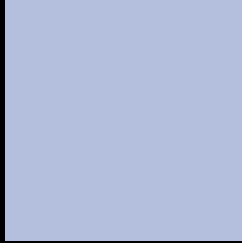
Large Text (above 18pt) WCAG AA × Fail

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 50.6380, 52.2388, 76.5214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

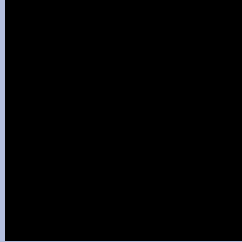
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6380, 52.2388, 76.5214

Background



This preview shows how black text looks on a background with the XYZ color 50.6380, 52.2388, 76.5214.



This preview shows how white text looks on a background with the XYZ color 50.6380, 52.2388,

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

50.6380, 52.2388, 76.5214

Protanopia

51.4722, 52.3617, 75.8005

Deuteranopia

53.1263, 51.9149, 77.0325



Tritanopia

48.9387, 52.2084, 67.8195

Trichromacy



Original Color

50.6380, 52.2388, 76.5214

Protanomaly

50.9930, 52.1146, 75.7781

Deuteranomaly

52.2888, 52.1130, 77.1149

Tritanomaly

49.5776, 52.1380, 71.0690

Monochromacy



Original Color

50.6380, 52.2388, 76.5214

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.7850, 52.0907, 63.3077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6380, 52.2388, 76.5214 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(180, 191, 222)` looks like.

```
.text, #text, p{  
    color:rgb(180, 191, 222)  
}
```

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(180, 191, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 191, 222) }
```

Border

The CSS property to change the border of an element to XYZ 50.6380, 52.2388, 76.5214 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(180, 191, 222) }
```


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

```
.border{ border-color:rgb(180, 191, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 191, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 191, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 191, 222);  
box-shadow:4px 4px 4px 4px rgb(180, 191,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6380, 52.2388, 76.5214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 191, 222) }
```

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

```
.background{ background-color: rgb(180,  
191, 222) }
```

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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