

Converting Colors

XYZ(48.4594, 50.2327, 71.2402)

Have a look what the booklet for
XYZ(48.4594, 50.2327, 71.2402)
contains.

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Color

**XYZ(48.6091, 50.3377,
71.4442)**

Conversions

Conversions Part 1

Format	Color
Hex	B2BCD7
RGB	178, 188, 215
RGB Percent	70%, 74%, 84%
CMY	0.3020, 0.2627, 0.1569
CMYK	0.17, 0.13, 0.00, 0.16
HSL	224°, 32%, 77%
HSV	224°, 17%, 84%
XYZ	48.6091, 50.3377, 71.4442
YIQ	188.0880, -14.6270, 6.2770

Conversions

Conversions Part 2

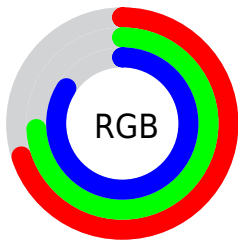
Format	Color
R _Y B	178, 186, 215
Decimal	11713751
CIE Lab	76.28, 2.11, -14.70
CIE LCh	76, 14.847, 278.161
Yxy	50.3377, 0.2853, 0.2954
Android (android.graphics.Color)	4289903831 (0xFFB2BCD7)
YUV	188.0880, 13.2676, -8.8472
Hunter-Lab	70.9491, -1.8657, -10.0394

Details

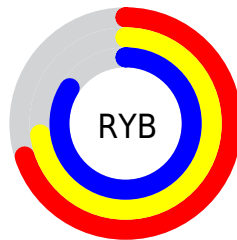
The XYZ color **48.6091, 50.3377, 71.4442** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **57.8921, 61.3242, 50.9063**, and the grayscale version is **47.7842, 50.2726, 54.7469**.

A 20% lighter version of the original color is **84.3324, 89.4138, 107.4215**, and **23.4666, 24.2260, 36.6970** is the 20% darker color. If you saturate the color by 10%, you get **40.8863, 41.6499, 70.1751**, and if you desaturate by 10%, it is **57.4724, 60.1569, 72.8732**.

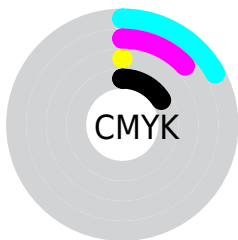
Distribution



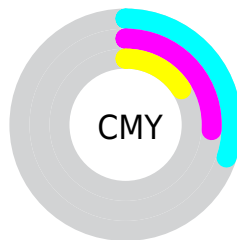
- Red (70%)
- Green (74%)
- Blue (84%)



- Red (70%)
- Yellow (73%)
- Blue (84%)



- Cyan (17%)
- Magenta (13%)
- Yellow (0%)
- Black (16%)



- Cyan (30%)
- Magenta (26%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6091, 50.3377, 71.4442 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 48.6091, 50.3377, 71.4442 by changing the saturation by 10% instead.

■ 48.6091, 50.3377,
71.4442

■ 48.6091, 50.3377,
71.4442

371.7439,
387.9851, 484.5302

■ 34.5227, 35.6818,
52.2207

■ 87.3148, 90.6750,
122.9664

■ 23.4603, 24.1885,
36.7976

112.6649,
117.1252, 156.1021

■ 15.0563, 15.4735,
24.7562

142.5003,
148.2757, 194.7124

■ 8.9455, 9.1524,
15.6782

177.1863,
184.5107, 239.2157

■ 4.7625, 4.8407,
9.1448

217.0883,
226.2148, 290.0306

■ 2.1419, 2.1541,
4.7377

262.5717,

■ 0.7118, 0.6948,

273.7723, 347.5756

2.0381

314.0018,
327.5676, 412.2693

■ 0.0000, 0.0000,
0.5786

■ 0.0000, 0.0000,
0.0000

■ 48.6091, 50.3377,
71.4442

■ 48.6091, 50.3377,
71.4442

■ 40.8863, 41.6499,
70.1751

■ 57.4724, 60.1569,
72.8732

■ 34.2520, 34.0456,
69.0570

■ 67.5164, 71.1407,
74.4639

■ 28.6567, 27.4824,
68.0851

■ 78.7846, 83.3286,
76.2225

■ 24.0452, 21.9127,
67.2531

■ 87.9271, 95.0088,
77.9951

■ 20.3569, 17.2850,
66.5542

■ 89.2659, 97.6864,
78.4414

■ 17.5242, 13.5426,
65.9812

■ 15.4690, 10.6216,
65.5257

■ 14.0909, 8.4448,
65.1782

■ 13.7850, 7.9445,
65.0977

Harmonies

Analogous

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



45.8790, 50.3377, 70.3216



48.6091, 50.3377, 71.4442



51.2318, 50.3377, 67.7808

Triad

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



48.6091, 50.3377, 71.4442



52.1820, 50.3377, 45.8645



43.0416, 50.3377, 49.2971

Complementary

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



48.6091, 50.3377, 71.4442



57.8921, 61.3242, 50.9063

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.



44.6098, 50.3377, 43.6081



48.6091, 50.3377, 71.4442



49.8653, 50.3377, 41.7643

Square

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



48.6091, 50.3377, 71.4442



53.3463, 50.3377, 52.6597



47.0879, 50.3377, 40.9803



42.7345, 50.3377, 57.0165

Rectangle

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



48.6091, 50.3377, 71.4442



52.5419, 50.3377, 63.3087



47.0879, 50.3377, 40.9803



43.4357, 50.3377, 47.1066

Sweetspot

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



48.6106, 50.3398, 71.4453



87.6174, 91.8686, 107.7222



53.6228, 62.4513, 66.6813



18.5378, 19.4267, 23.0226



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.



48.6106, 50.3398, 71.4453



66.7954, 68.7736, 104.3619



48.4411, 47.1896, 70.8462



12.0130, 12.5495, 15.7267



8.3206, 4.9030, 38.9610



0.5706, 0.4332, 2.3728

Inverse Universe

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



53.0231, 49.9200, 54.4201



74.6168, 68.1974, 74.1461



58.0648, 65.0792, 51.6219



12.5598, 12.4754, 13.6220



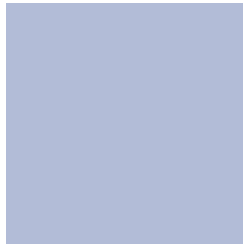
17.2587, 8.8398, 3.4005



1.0757, 0.5470, 0.3878

Previews

White Background



This preview shows how the XYZ color 48.6091, 50.3377, 71.4442 looks on a white background.

Color Contrast Check

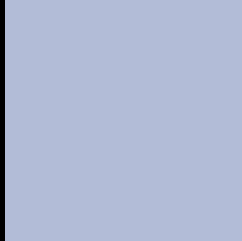
Large Text (above 18pt) WCAG AA × Fail

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 48.6091, 50.3377, 71.4442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

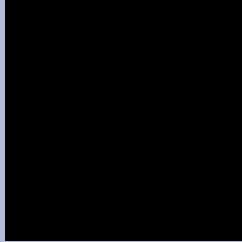
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6091, 50.3377, 71.4442

Background



This preview shows how black text looks on a background with the XYZ color 48.6091, 50.3377, 71.4442.



This preview shows how white text looks on a background with the XYZ color 48.6091, 50.3377,

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

48.6091, 50.3377, 71.4442

Protanopia

49.2249, 50.0401, 70.6826

Deuteranopia

51.3205, 50.1623, 71.9432



Tritanopia

47.3374, 50.4648, 65.0033

Trichromacy



Original Color

48.6091, 50.3377, 71.4442

Protanomaly

48.9640, 50.2194, 70.7310

Deuteranomaly

50.4827, 50.3472, 72.0230

Tritanomaly

47.8377, 50.3458, 67.5180

Monochromacy



Original Color

48.6091, 50.3377, 71.4442

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.9434, 50.2340, 60.5953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6091, 50.3377, 71.4442 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(178, 188, 215)` looks like.

```
.text, #text, p{  
    color:rgb(178, 188, 215)  
}
```

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(178, 188, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 188, 215) }
```

Border

The CSS property to change the border of an element to XYZ 48.6091, 50.3377, 71.4442 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(178, 188, 215) }
```


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

```
.border{ border-color:rgb(178, 188, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 188, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 188, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 188, 215);  
box-shadow:4px 4px 4px 4px rgb(178, 188,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6091, 50.3377, 71.4442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 188, 215) }
```

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

```
.background{ background-color: rgb(178,  
188, 215) }
```

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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