

Converting Colors

XYZ(50.5634, 51.4081, 78.3337)

Have a look what the booklet for
XYZ(50.5634, 51.4081, 78.3337)
contains.

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Color

**XYZ(50.6106, 51.5347,
78.5139)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BDE1
RGB	180, 189, 225
RGB Percent	71%, 74%, 88%
CMY	0.2941, 0.2588, 0.1176
CMYK	0.20, 0.16, 0.00, 0.12
HSL	228°, 43%, 79%
HSV	228°, 20%, 88%
XYZ	50.6106, 51.5347, 78.5139
YIQ	190.4130, -16.9200, 9.2880

Conversions

Conversions Part 2

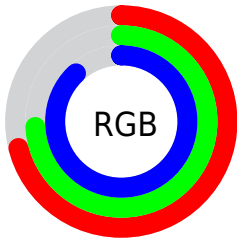
Format	Color
RYB	180, 188, 225
Decimal	11845089
CIELab	77.00, 4.39, -19.00
CIELCh	77, 19.500, 283.023
Yxy	51.5347, 0.2801, 0.2853
Android (android.graphics.Color)	4290035169 (0xFFB4BDE1)
YUV	190.4130, 17.0514, -9.1322
Hunter-Lab	71.7877, 0.2148, -14.5939

Details

The XYZ color **50.6106, 51.5347, 78.5139** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **63.8460, 68.4148, 53.0217**, and the grayscale version is **49.0946, 51.6513, 56.2483**.

A 20% lighter version of the original color is **85.2945, 90.3577, 107.5530**, and **24.8123, 25.0226, 41.5523** is the 20% darker color. If you saturate the color by 10%, you get **42.1574, 41.7826, 77.0779**, and if you desaturate by 10%, it is **60.3977, 62.6903, 80.1522**.

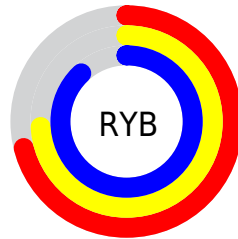
Distribution



Red (71%)

Green (74%)

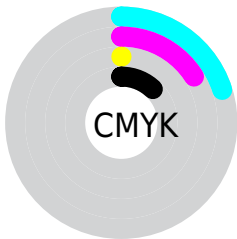
Blue (88%)



Red (71%)

Yellow (74%)

Blue (88%)

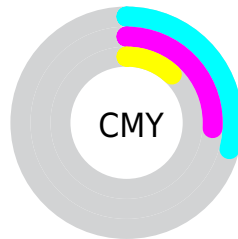


Cyan (20%)

Magenta (16%)

Yellow (0%)

Black (12%)



Cyan (29%)

Magenta (26%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6106, 51.5347, 78.5139 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 50.6106, 51.5347, 78.5139 by changing the saturation by 10% instead.

■ 50.6106, 51.5347,
78.5139

■ 50.6106, 51.5347,
78.5139

379.4616,
392.6377, 509.4844

■ 36.1186, 36.6343,
57.9773

■ 90.2653, 92.4447,
133.0668

■ 24.6963, 24.9245,
41.3758

116.1588,
119.2230, 167.9201

■ 15.9785, 16.0208,
28.2909

146.5834,
150.7295, 208.3827

■ 9.5997, 9.5389,
18.3041

181.9045,
187.3485, 254.8732

■ 5.1946, 5.0943,
10.9969

222.4876,
229.4645, 307.8101

■ 2.3978, 2.3027,
5.9506

268.6979,

■ 0.8440, 0.7751,

277.4617, 367.6119

2.7468

320.9008,
331.7246, 434.6971

■ 0.0000, 0.0000,
0.9668

■ 0.0000, 0.0000,
0.0000

■ 50.6106, 51.5347,
78.5139

■ 50.6106, 51.5347,
78.5139

■ 42.1574, 41.7826,
77.0779

■ 60.3977, 62.6903,
80.1522

■ 34.9749, 33.3716,
75.8330

■ 71.5689, 75.2961,
81.9965

■ 29.0018, 26.2438,
74.7720

■ 84.1773, 89.4042,
84.0551

■ 24.1695, 20.3343,
73.8860

■ 90.5908, 98.2163,
85.4180

■ 20.4026, 15.5725,
73.1655

■ 17.6161, 11.8803,
72.5997

■ 15.7108, 9.1687,
72.1767

■ 14.5296, 7.3138,
71.8809

■ 14.5295, 7.3137,
71.8809

Harmonies

Analogous

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



46.9245, 51.5347, 78.0573



50.6106, 51.5347, 78.5139



54.0228, 51.5347, 72.4489

Triad

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



50.6106, 51.5347, 78.5139



54.3961, 51.5347, 43.2720



42.4588, 51.5347, 50.3447

Complementary

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



50.6106, 51.5347, 78.5139



63.8460, 68.4148, 53.0217

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.



44.2653, 51.5347, 42.4373



50.6106, 51.5347, 78.5139



51.0992, 51.5347, 38.7222

Square

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



50.6106, 51.5347, 78.5139



56.2816, 51.5347, 51.6249



47.3891, 51.5347, 38.4374



42.3428, 51.5347, 60.8530

Rectangle

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



50.6106, 51.5347, 78.5139



55.6325, 51.5347, 65.9209



47.3891, 51.5347, 38.4374



42.8841, 51.5347, 47.3288

Sweetspot

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



50.6122, 51.5368, 78.5151



85.8624, 89.6508, 107.3866



58.0466, 68.4739, 74.6169



18.1729, 18.9571, 22.9512



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.



50.6122, 51.5368, 78.5151



62.3283, 62.8259, 103.4493



51.8417, 49.3848, 78.0349



13.1730, 13.6851, 17.3349



8.4384, 4.3463, 41.4425



0.6480, 0.4275, 2.8936

Inverse Universe

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



56.5592, 52.3256, 55.2652



71.6330, 64.2129, 67.0383



62.3880, 71.1809, 53.6325



13.8188, 13.7451, 14.8159



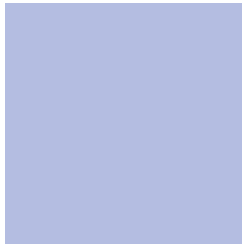
18.1995, 9.3468, 2.4503



1.2934, 0.6606, 0.3377

Previews

White Background



This preview shows how the XYZ color 50.6106, 51.5347, 78.5139 looks on a white background.

Color Contrast Check

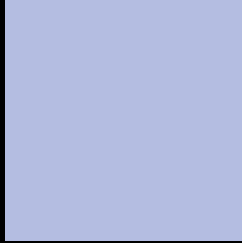
Large Text (above 18pt) WCAG AA × Fail

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 50.6106, 51.5347, 78.5139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

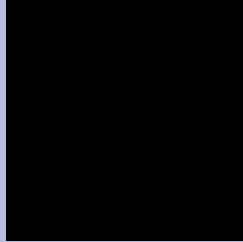
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6106, 51.5347, 78.5139

Background



This preview shows how black text looks on a background with the XYZ color 50.6106, 51.5347, 78.5139.



This preview shows how white text looks on a background with the XYZ color 50.6106, 51.5347,

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

50.6106, 51.5347, 78.5139

Protanopia

51.1023, 51.4700, 78.4755

Deuteranopia

52.7722, 51.6852, 79.1463



Tritanopia

48.2436, 51.5514, 66.4392

Trichromacy



Original Color

50.6106, 51.5347, 78.5139

Protanomaly

50.8652, 51.3478, 78.4644

Deuteranomaly

51.9913, 51.5964, 79.1704

Tritanomaly

49.1285, 51.5816, 70.9852

Monochromacy



Original Color

50.6106, 51.5347, 78.5139

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.4426, 51.5778, 63.8495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6106, 51.5347, 78.5139 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, 189, 225)` looks like.

```
.text, #text, p{  
    color:rgb(180, 189, 225)  
}
```

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, 189, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 189, 225) }
```

Border

The CSS property to change the border of an element to XYZ 50.6106, 51.5347, 78.5139 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, 189, 225) }
```


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

```
.border{ border-color:rgb(180, 189, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 189, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 189, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 189, 225);  
box-shadow:4px 4px 4px 4px rgb(180, 189,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6106, 51.5347, 78.5139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 189, 225) }
```

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

```
.background{ background-color: rgb(180,  
189, 225) }
```

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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