

Converting Colors

XYZ(48.0330, 51.0090, 68.9421)

Have a look what the booklet for
XYZ(48.0330, 51.0090, 68.9421)
contains.

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Color

**XYZ(48.0679, 51.0787,
68.9537)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBFD3
RGB	175, 191, 211
RGB Percent	69%, 75%, 83%
CMY	0.3137, 0.2510, 0.1725
CMYK	0.17, 0.09, 0.00, 0.17
HSL	213°, 29%, 76%
HSV	213°, 17%, 83%
XYZ	48.0679, 51.0787, 68.9537
YIQ	188.4960, -15.9560, 2.8280

Conversions

Conversions Part 2

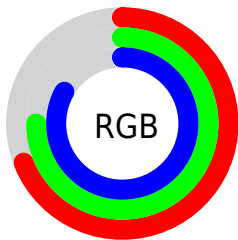
Format	Color
RYB	175, 186, 211
Decimal	11517907
CIELab	76.73, -1.32, -11.88
CIELCh	77, 11.950, 263.639
Yxy	51.0787, 0.2859, 0.3039
Android (android.graphics.Color)	4289707987 (0xFFAFBFD3)
YUV	188.4960, 11.0945, -11.8360
Hunter-Lab	71.4694, -5.0183, -7.1745

Details

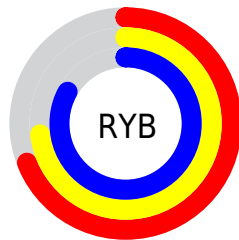
The XYZ color **48.0679, 51.0787, 68.9537** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.1174, 55.9743, 48.5105**, and the grayscale version is **48.0286, 50.5299, 55.0270**.

A 20% lighter version of the original color is **84.2658, 90.7305, 107.6792**, and **23.1153, 24.7148, 35.0046** is the 20% darker color. If you saturate the color by 10%, you get **41.2427, 43.9174, 67.9320**, and if you desaturate by 10%, it is **55.8407, 59.0348, 70.0805**.

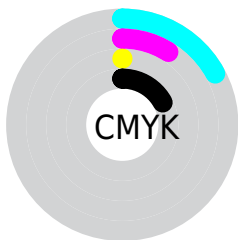
Distribution



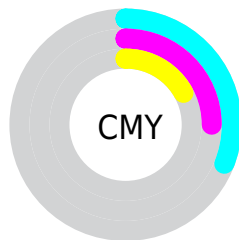
- Red (69%)
- Green (75%)
- Blue (83%)



- Red (69%)
- Yellow (73%)
- Blue (83%)



- Cyan (17%)
- Magenta (9%)
- Yellow (0%)
- Black (17%)



- Cyan (31%)
- Magenta (25%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0679, 51.0787, 68.9537 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 48.0679, 51.0787, 68.9537 by changing the saturation by 10% instead.

■ 48.0679, 51.0787,
68.9537

■ 48.0679, 51.0787,
68.9537

369.6393,
390.8695, 475.5572

■ 34.0921, 36.2712,
50.2025

■ 86.5146, 91.7711,
119.3825

■ 23.1276, 24.6438,
35.2020

111.7162,
118.4248, 151.8972

■ 14.8090, 15.8118,
23.5337

141.3905,
149.7961, 189.8368

■ 8.7709, 9.3911,
14.7791

175.9028,
186.2693, 233.6198

■ 4.6479, 4.9972,
8.5196

215.6185,
228.2289, 283.6648

■ 2.0748, 2.2456,
4.3367

260.9029,

■ 0.6755, 0.7447,

276.0591, 340.3904

1.8118

312.1214,
330.1446, 404.2150

■ 0.0000, 0.0000,
0.4357

■ 0.0000, 0.0000,
0.0000

■ 48.0679, 51.0787,
68.9537

■ 48.0679, 51.0787,
68.9537

■ 41.2427, 43.9174,
67.9320

■ 55.8407, 59.0348,
70.0805

■ 35.3216, 37.5175,
67.0087

■ 64.5932, 67.8052,
71.3121

■ 30.2641, 31.8520,
66.1818

■ 74.3615, 77.4164,
72.6524

■ 26.0247, 26.8901,
65.4474

■ 83.5400, 87.0471,
74.0275

■ 22.5535, 22.5978,
64.8019

■ 87.0623, 94.0917,
75.2016

■ 19.7943, 18.9380,
64.2409

■ 88.7580, 97.4832,
75.7669

■ 17.6821, 15.8685,
63.7598

■ 16.1322, 13.3363,
63.3527

■ 15.7422, 12.6715,
63.2449

Harmonies

Analogous

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



46.0126, 51.0787, 66.2754



48.0679, 51.0787, 68.9537



50.3158, 51.0787, 67.8407

Triad

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



48.0679, 51.0787, 68.9537



52.6482, 51.0787, 50.7639



45.1259, 51.0787, 48.5451

Complementary

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



48.0679, 51.0787, 68.9537



54.1174, 55.9743, 48.5105

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.



46.8236, 51.0787, 44.9559



48.0679, 51.0787, 68.9537



51.1765, 51.0787, 46.1656

Square

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



48.0679, 51.0787, 68.9537



53.0063, 51.0787, 57.0092



49.0328, 51.0787, 44.1197



44.3484, 51.0787, 54.2457

Rectangle

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



48.0679, 51.0787, 68.9537



51.6163, 51.0787, 65.1383



49.0328, 51.0787, 44.1197



45.6053, 51.0787, 47.0701

Sweetspot

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



48.0694, 51.0808, 68.9548



88.2958, 93.2256, 107.9484



50.8022, 59.6345, 60.3454



18.7025, 19.7559, 23.0775



0.0000, 0.0000, 0.0000



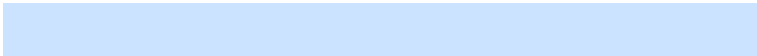
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.0694, 51.0808, 68.9548



70.3307, 74.8151, 105.3417



45.1749, 44.6880, 67.8735



11.5900, 12.2703, 15.0012



9.5991, 7.8448, 38.2008



0.6153, 0.5957, 2.1621

Inverse Universe

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



51.5992, 48.2717, 55.8903



76.6524, 69.9736, 81.9005



57.3841, 63.2690, 49.7463



12.0240, 11.8943, 13.4020



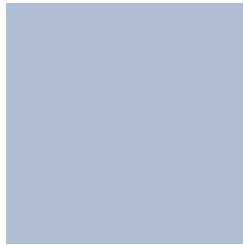
17.4759, 8.8632, 7.4123



1.0168, 0.5114, 0.6232

Previews

White Background



This preview shows how the XYZ color 48.0679, 51.0787, 68.9537 looks on a white background.

Color Contrast Check

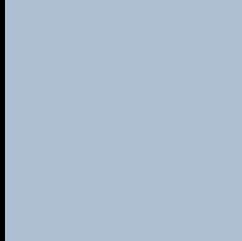
Large Text (above 18pt) WCAG AA × Fail

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 48.0679, 51.0787, 68.9537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

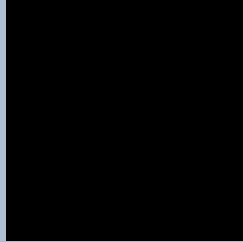
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

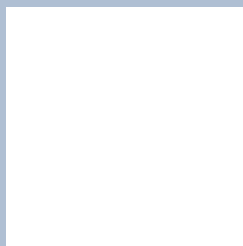
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0679, 51.0787, 68.9537

Background



This preview shows how black text looks on a background with the XYZ color 48.0679, 51.0787, 68.9537.



This preview shows how white text looks on a background with the XYZ color 48.0679, 51.0787,

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

48.0679, 51.0787, 68.9537

Protanopia

49.9854, 51.1347, 67.5571

Deuteranopia

52.0501, 50.9048, 69.3696



Tritanopia

47.5677, 51.2029, 66.4076

Trichromacy



Original Color

48.0679, 51.0787, 68.9537

Protanomaly

49.3589, 51.1156, 68.2376

Deuteranomaly

50.6403, 51.1129, 69.4841

Tritanomaly

47.6904, 51.2520, 67.0536

Monochromacy



Original Color

48.0679, 51.0787, 68.9537

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.6898, 50.4480, 59.4485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0679, 51.0787, 68.9537 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(175, 191, 211)` looks like.

```
.text, #text, p{  
    color:rgb(175, 191, 211)  
}
```

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(175, 191, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 191, 211) }
```

Border

The CSS property to change the border of an element to XYZ 48.0679, 51.0787, 68.9537 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(175, 191, 211) }
```


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

```
.border{ border-color:rgb(175, 191, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 191, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 191, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 191, 211);  
box-shadow:4px 4px 4px 4px rgb(175, 191,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0679, 51.0787, 68.9537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 191, 211) }
```

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

```
.background{ background-color: rgb(175,  
191, 211) }
```

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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