

Converting Colors

XYZ(46.5186, 48.9756, 63.3271)

Have a look what the booklet for
XYZ(46.5186, 48.9756, 63.3271)
contains.

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Color

**XYZ(46.6813, 49.1996,
63.5360)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BBCB
RGB	177, 187, 203
RGB Percent	69%, 73%, 80%
CMY	0.3059, 0.2666, 0.2039
CMYK	0.13, 0.08, 0.00, 0.20
HSL	217°, 20%, 75%
HSV	217°, 13%, 80%
XYZ	46.6813, 49.1996, 63.5360
YIQ	185.8340, -11.0960, 2.8560

Conversions

Conversions Part 2

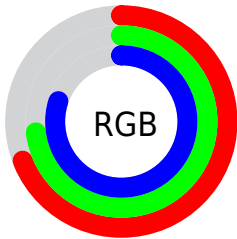
Format	Color
RYB	177, 184, 203
Decimal	11647947
CIELab	75.58, -0.23, -9.24
CIELCh	76, 9.243, 268.578
Yxy	49.1996, 0.2928, 0.3086
Android (android.graphics.Color)	4289838027 (0xFFB1BBCB)
YUV	185.8340, 8.4628, -7.7474
Hunter-Lab	70.1424, -3.9536, -4.6060

Details

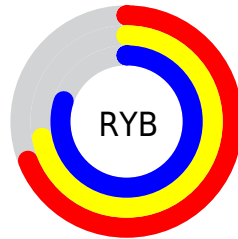
The XYZ color **46.6813, 49.1996, 63.5360** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.6346, 54.0105, 49.2996**, and the grayscale version is **46.5390, 48.9627, 53.3204**.

A 20% lighter version of the original color is **83.7049, 88.6448, 107.3062**, and **22.2621, 23.5052, 31.7974** is the 20% darker color. If you saturate the color by 10%, you get **39.8617, 41.9211, 62.4913**, and if you desaturate by 10%, it is **54.4222, 57.2978, 64.6919**.

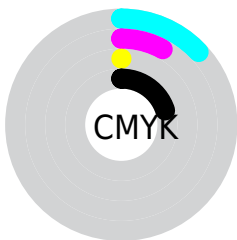
Distribution



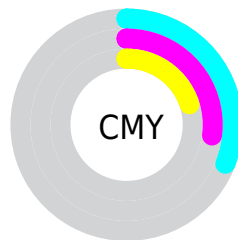
- Red (69%)
- Green (73%)
- Blue (80%)



- Red (69%)
- Yellow (72%)
- Blue (80%)



- Cyan (13%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (31%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6813, 49.1996, 63.5360 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 46.6813, 49.1996, 63.5360 by changing the saturation by 10% instead.

■ 46.6813, 49.1996,
63.5360

■ 46.6813, 49.1996,
63.5360

364.2112,
383.5276, 455.6735

■ 32.9907, 34.7778,
45.8312

■ 84.4593, 88.9878,
111.5355

■ 22.2785, 23.4918,
31.7649

109.2775,
115.1231, 142.6672

■ 14.1794, 14.9571,
20.9187

138.5355,
145.9316, 179.1116

■ 8.3281, 8.7893,
12.8739

172.5987,
181.7979, 221.2873

■ 4.3592, 4.6040,
7.2121

211.8326,
223.1062, 269.6128

■ 1.9073, 2.0168,
3.5146

256.6023,

■ 0.5811, 0.6172,

270.2410, 324.5067

1.3630

307.2734,
323.5866, 386.3874

■ 0.0000, 0.0000,
0.1126

■ 0.0000, 0.0000,
0.0000

■ 46.6813, 49.1996,
63.5360

■ 46.6813, 49.1996,
63.5360

■ 39.8617, 41.9211,
62.4913

■ 54.4222, 57.2978,
64.6919

■ 33.9228, 35.4288,
61.5512

■ 63.1139, 66.2354,
65.9589

■ 28.8276, 29.6959,
60.7132

■ 72.7903, 76.0392,
67.3412

■ 24.5344, 24.6915,
59.9735

■ 82.2938, 86.1202,
68.7862

■ 20.9978, 20.3823,
59.3281

■ 86.0364, 93.6053,
70.0337

■ 18.1673, 16.7319,
58.7727

■ 87.7796, 97.0919,
70.6148

■ 15.9857, 13.6999,
58.3025

■ 14.3850, 11.2398,
57.9120

■ 13.5110, 9.7746,
57.6753

Harmonies

Analogous

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



45.0710, 49.1996, 62.0059



46.6813, 49.1996, 63.5360



48.3518, 49.1996, 62.2635

Triad

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



46.6813, 49.1996, 63.5360



49.7072, 49.1996, 49.1945



44.0152, 49.1996, 48.8136

Complementary

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



46.6813, 49.1996, 63.5360



51.6346, 54.0105, 49.2996

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.



45.2089, 49.1996, 45.7259



46.6813, 49.1996, 63.5360



48.4963, 49.1996, 45.9362

Square

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



46.6813, 49.1996, 63.5360



50.1241, 49.1996, 53.8037



46.8443, 49.1996, 44.7048



43.5551, 49.1996, 53.3370

Rectangle

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



46.6813, 49.1996, 63.5360



49.2695, 49.1996, 60.0383



46.8443, 49.1996, 44.7048



44.3425, 49.1996, 47.5838

Sweetspot

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



46.6828, 49.2017, 63.5371



89.4269, 94.1775, 108.0725



49.0693, 55.8923, 58.4214



18.9210, 19.9290, 23.0994



0.0000, 0.0000, 0.0000



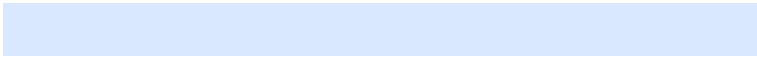
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6828, 49.2017, 63.5371



75.2974, 79.3462, 105.9545



45.2320, 45.4124, 62.8822



10.9497, 11.5398, 14.2207



8.6803, 6.3846, 36.7311



0.5207, 0.4752, 1.9192

Inverse Universe

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



49.3215, 47.7297, 53.6293



80.4781, 76.5528, 86.4810



53.2190, 58.2215, 50.0289



11.3880, 11.2839, 12.5777



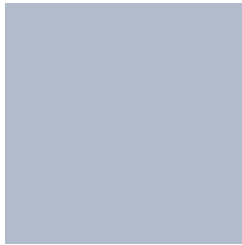
16.5923, 8.4475, 5.5718



0.8928, 0.4505, 0.4813

Previews

White Background



This preview shows how the XYZ color 46.6813, 49.1996, 63.5360 looks on a white background.

Color Contrast Check

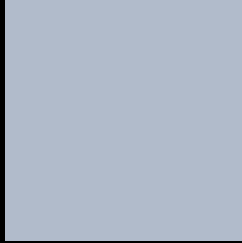
Large Text (above 18pt) WCAG AA × Fail

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 46.6813, 49.1996, 63.5360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

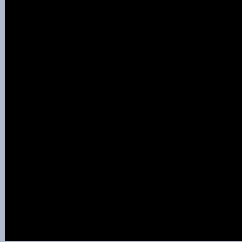
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6813, 49.1996, 63.5360

Background



This preview shows how black text looks on a background with the XYZ color 46.6813, 49.1996, 63.5360.



This preview shows how white text looks on a background with the XYZ color 46.6813, 49.1996,

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

46.6813, 49.1996, 63.5360

Protanopia

48.0172, 49.2765, 62.8576

Deuteranopia

50.1879, 49.1431, 63.9671



Tritanopia

46.5625, 49.1520, 62.9103

Trichromacy



Original Color

46.6813, 49.1996, 63.5360

Protanomaly

47.5110, 49.3272, 62.8941

Deuteranomaly

48.8188, 49.0454, 64.0204

Tritanomaly

46.5625, 49.1520, 62.9103

Monochromacy



Original Color

46.6813, 49.1996, 63.5360

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.6018, 48.9909, 56.8692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6813, 49.1996, 63.5360 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(177, 187, 203)` looks like.

```
.text, #text, p{  
    color:rgb(177, 187, 203)  
}
```

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(177, 187, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 187, 203) }
```

Border

The CSS property to change the border of an element to XYZ 46.6813, 49.1996, 63.5360 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(177, 187, 203) }
```


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

```
.border{ border-color:rgb(177, 187, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 187, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 187, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 187, 203);  
box-shadow:4px 4px 4px 4px rgb(177, 187,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6813, 49.1996, 63.5360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 187, 203) }
```

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

```
.background{ background-color: rgb(177,  
187, 203) }
```

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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