

Converting Colors

XYZ(46.5536, 49.3987, 59.6329)

Have a look what the booklet for
XYZ(46.5536, 49.3987, 59.6329)
contains.

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Color

**XYZ(46.6517, 49.5814,
59.9347)**

Conversions

Conversions Part 1

Format	Color
Hex	B3BCC5
RGB	179, 188, 197
RGB Percent	70%, 74%, 77%
CMY	0.2980, 0.2627, 0.2274
CMYK	0.09, 0.05, 0.00, 0.23
HSL	210°, 13%, 74%
HSV	210°, 9%, 77%
XYZ	46.6517, 49.5814, 59.9347
YIQ	186.3350, -8.2530, 0.8910

Conversions

Conversions Part 2

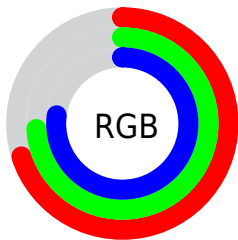
Format	Color
R _Y B	179, 185, 197
Decimal	11779269
CIE Lab	75.81, -1.33, -5.61
CIE LCh	76, 5.769, 256.659
Yxy	49.5814, 0.2987, 0.3175
Android (android.graphics.Color)	4289969349 (0xFFB3BCC5)
YUV	186.3350, 5.2578, -6.4328
Hunter-Lab	70.4141, -4.9623, -1.1763

Details

The XYZ color **46.6517, 49.5814, 59.9347** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.1461, 51.0911, 49.9200**, and the grayscale version is **46.8359, 49.2750, 53.6605**.

A 20% lighter version of the original color is **84.5010, 89.5193, 106.5912**, and **22.2261, 23.7467, 29.3987** is the 20% darker color. If you saturate the color by 10%, you get **40.3879, 43.3365, 59.0602**, and if you desaturate by 10%, it is **53.7124, 56.4529, 60.8897**.

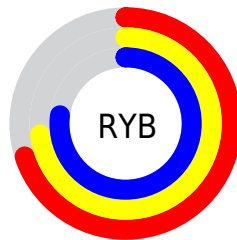
Distribution



Red (70%)

Green (74%)

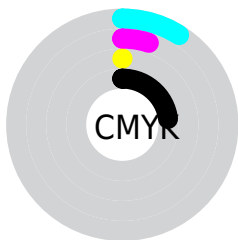
Blue (77%)



Red (70%)

Yellow (73%)

Blue (77%)

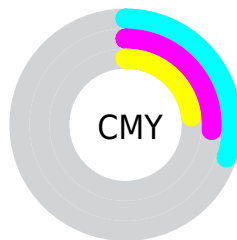


Cyan (9%)

Magenta (5%)

Yellow (0%)

Black (23%)



Cyan (30%)

Magenta (26%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6517, 49.5814, 59.9347 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 46.6517, 49.5814, 59.9347 by changing the saturation by 10% instead.

■ 46.6517, 49.5814,
59.9347

■ 46.6517, 49.5814,
59.9347

364.0947,
385.0267, 442.1550

■ 32.9672, 35.0809,
42.9410

■ 84.4154, 89.5544,
106.2774

■ 22.2604, 23.7252,
29.5078

109.2253,
115.7956, 136.4635

■ 14.1661, 15.1299,
19.2164

138.4744,
146.7192, 171.8842

■ 8.3187, 8.9106,
11.6484

172.5280,
182.7096, 212.9580

■ 4.3531, 4.6829,
6.3851

211.7514,
224.1511, 260.1034

■ 1.9038, 2.0624,
3.0081

256.5101,

■ 0.5790, 0.6434,

271.4282, 313.7390

1.0988

307.1695,
324.9253, 374.2834

■ 0.0000, 0.0000,
0.0000

■ 46.6517, 49.5814,
59.9347

■ 46.6517, 49.5814,
59.9347

■ 40.3879, 43.3365,
59.0602

■ 53.7124, 56.4529,
60.8897

■ 34.8864, 37.6922,
58.2607

■ 61.5944, 63.9635,
61.9239

■ 30.1163, 32.6294,
57.5349

■ 70.3260, 72.1333,
63.0407

■ 26.0429, 28.1258,
56.8803

■ 78.8947, 80.4442,
64.1932

■ 22.6282, 24.1572,
56.2943

■ 81.6717, 85.9982,
65.1189

■ 19.8305, 20.6972,
55.7739

■ 84.6053, 91.8654,
66.0967

■ 17.6025, 17.7165,
55.3160

■ 87.0782, 96.8113,
66.9210

■ 15.8891, 15.1813,
54.9169

■ 14.5976, 13.0385,
54.5714

Harmonies

Analogous

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



45.7253, 49.5814, 58.3931



46.6517, 49.5814, 59.9347



47.7189, 49.5814, 59.8399

Triad

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



46.6517, 49.5814, 59.9347



49.1277, 49.5814, 52.3113



45.6426, 49.5814, 50.0353

Complementary

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



46.6517, 49.5814, 59.9347



49.1461, 51.0911, 49.9200

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.



46.5373, 49.5814, 48.5264



46.6517, 49.5814, 59.9347



48.5543, 49.5814, 49.8059

Square

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



46.6517, 49.5814, 59.9347



49.1595, 49.5814, 55.3591



47.6028, 49.5814, 48.4440



45.1487, 49.5814, 52.6353

Rectangle

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



46.6517, 49.5814, 59.9347



48.3668, 49.5814, 58.8602



47.6028, 49.5814, 48.4440



45.9059, 49.5814, 49.3880

Sweetspot

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



46.6531, 49.5835, 59.9358



91.0836, 96.1624, 108.3683



47.6023, 53.1350, 55.1556



19.2736, 20.3670, 23.1653



0.0000, 0.0000, 0.0000



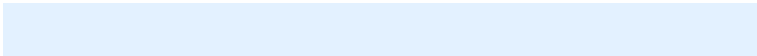
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6531, 49.5835, 59.9358



81.1620, 86.4412, 107.0149



44.8496, 45.9765, 59.3346



10.4876, 11.1493, 13.5168



9.6180, 8.6298, 35.9032



0.5278, 0.5535, 1.7242

Inverse Universe

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



48.2243, 47.7424, 54.2529



84.5695, 82.5205, 94.6737



51.0617, 54.9222, 50.5585



10.8514, 10.7239, 12.2007



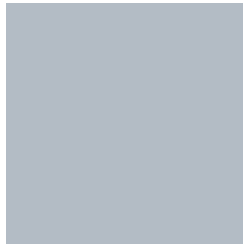
16.6540, 8.4112, 8.6540



0.8251, 0.4129, 0.6023

Previews

White Background



This preview shows how the XYZ color 46.6517, 49.5814, 59.9347 looks on a white background.

Color Contrast Check

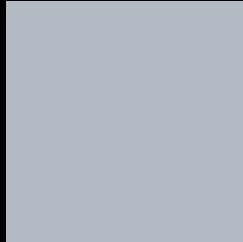
Large Text (above 18pt) WCAG AA × Fail

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 46.6517, 49.5814, 59.9347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

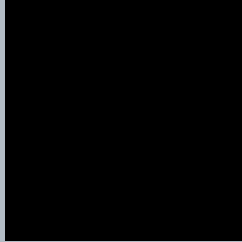
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

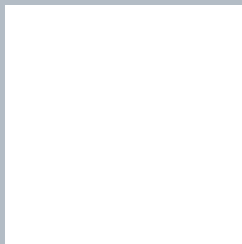
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6517, 49.5814, 59.9347

Background



This preview shows how black text looks on a background with the XYZ color 46.6517, 49.5814, 59.9347.

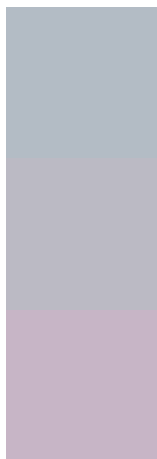


This preview shows how white text looks on a background with the XYZ color 46.6517, 49.5814,

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

46.6517, 49.5814, 59.9347

Protanopia

48.0162, 49.6681, 59.2807

Deuteranopia

50.2701, 49.2671, 60.2861



Tritanopia

47.2534, 49.5082, 62.9426

Trichromacy



Original Color

46.6517, 49.5814, 59.9347

Protanomaly

47.5013, 49.7165, 59.3172

Deuteranomaly

49.0718, 49.5647, 60.4067

Tritanomaly

47.0180, 49.4141, 61.7033

Monochromacy



Original Color

46.6517, 49.5814, 59.9347

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.5930, 49.3256, 55.7803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6517, 49.5814, 59.9347 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(179, 188, 197)` looks like.

```
.text, #text, p{  
    color:rgb(179, 188, 197)  
}
```

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(179, 188, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 188, 197) }
```

Border

The CSS property to change the border of an element to XYZ 46.6517, 49.5814, 59.9347 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(179, 188, 197) }
```


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

```
.border{ border-color:rgb(179, 188, 197) }
```

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

Here you see how a box with a 4 pixel rgb(179, 188, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 188, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 188, 197);  
box-shadow:4px 4px 4px 4px rgb(179, 188,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6517, 49.5814, 59.9347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 188, 197) }
```

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

```
.background{ background-color: rgb(179,  
188, 197) }
```

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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