

Converting Colors

XYZ(46.2136, 49.2968, 60.0016)

Have a look what the booklet for
XYZ(46.2136, 49.2968, 60.0016)
contains.

XYZ(46.1927, 49.3448, 59.9132)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.1927, 49.3448,
59.9132)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BCC5
RGB	177, 188, 197
RGB Percent	69%, 74%, 77%
CMY	0.3059, 0.2627, 0.2274
CMYK	0.10, 0.05, 0.00, 0.23
HSL	207°, 15%, 73%
HSV	207°, 10%, 77%
XYZ	46.1927, 49.3448, 59.9132
YIQ	185.7370, -9.4450, 0.4670

Conversions

Conversions Part 2

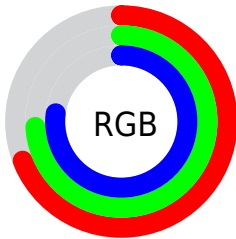
Format	Color
R _Y B	177, 184, 197
Decimal	11648197
CIE Lab	75.67, -2.00, -5.85
CIE LCh	76, 6.178, 251.127
Yxy	49.3448, 0.2972, 0.3174
Android (android.graphics.Color)	4289838277 (0xFFB1BCC5)
YUV	185.7370, 5.5527, -7.6623
Hunter-Lab	70.2459, -5.5511, -1.3968

Details

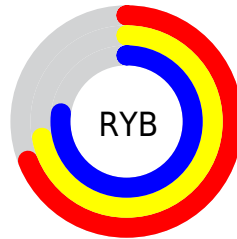
The XYZ color **46.1927, 49.3448, 59.9132** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.5208, 50.1620, 48.7206**, and the grayscale version is **46.4999, 48.9215, 53.2755**.

A 20% lighter version of the original color is **83.8443, 89.1808, 106.5605**, and **21.9341, 23.5962, 29.3851** is the 20% darker color. If you saturate the color by 10%, you get **40.1903, 43.5270, 59.1074**, and if you desaturate by 10%, it is **52.9620, 55.7332, 60.7903**.

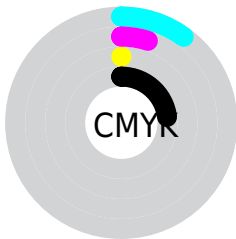
Distribution



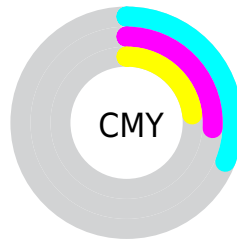
- Red (69%)
- Green (74%)
- Blue (77%)



- Red (69%)
- Yellow (72%)
- Blue (77%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)



- Cyan (31%)
- Magenta (26%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1927, 49.3448, 59.9132 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 46.1927, 49.3448, 59.9132 by changing the saturation by 10% instead.

■ 46.1927, 49.3448,
59.9132

■ 46.1927, 49.3448,
59.9132

362.2858,
384.0981, 442.0735

■ 32.6032, 34.8931,
42.9238

■ 83.7334, 89.2033,
106.2459

■ 21.9804, 23.5805,
29.4944

108.4153,
115.3789, 136.4263

■ 13.9590, 15.0227,
19.2064

137.5254,
146.2313, 171.8408

■ 8.1737, 8.8353,
11.6412

171.4290,
182.1448, 212.9079

■ 4.2590, 4.6339,
6.3803

210.4915,
223.5038, 260.0462

■ 1.8497, 2.0341,
3.0052

255.0782,

■ 0.5473, 0.6272,

270.6928, 313.6742

1.0973

305.5545,
324.0961, 374.2105

■ 0.0000, 0.0000,
0.0000

■ 46.1927, 49.3448,
59.9132

■ 46.1927, 49.3448,
59.9132

■ 40.1903, 43.5270,
59.1074

■ 52.9620, 55.7332,
60.7903

■ 34.9209, 38.2552,
58.3676

■ 60.5219, 62.7035,
61.7372

■ 30.3540, 33.5121,
57.6927

■ 68.9004, 70.2742,
62.7569

■ 26.4556, 29.2766,
57.0807

■ 77.8270, 78.3088,
63.8373

■ 23.1882, 25.5262,
56.5290

■ 80.2635, 83.1818,
64.6494

■ 20.5106, 22.2361,
56.0351

■ 82.8258, 88.3066,
65.5036

■ 18.3757, 19.3786,
55.5960

■ 85.5159, 93.6866,
66.4002

■ 16.7285, 16.9215,
55.2086

■ 87.0782, 96.8113,
66.9210

■ 15.4810, 14.8369,
54.8720

Harmonies

Analogous

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



45.2630, 49.3448, 57.9796



46.1927, 49.3448, 59.9132



47.3266, 49.3448, 60.1504

Triad

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



46.1927, 49.3448, 59.9132



49.0927, 49.3448, 52.5214



45.4686, 49.3448, 49.1205

Complementary

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



46.1927, 49.3448, 59.9132



48.5208, 50.1620, 48.7206

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.



46.4775, 49.3448, 47.7800



46.1927, 49.3448, 59.9132



48.5775, 49.3448, 49.6897

Square

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



46.1927, 49.3448, 59.9132



49.0134, 49.3448, 55.7921



47.6160, 49.3448, 47.9840



44.8497, 49.3448, 51.7157

Rectangle

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



46.1927, 49.3448, 59.9132



48.0472, 49.3448, 59.3041



47.6160, 49.3448, 47.9840



45.7727, 49.3448, 48.5131

Sweetspot

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



46.1941, 49.3469, 59.9143



91.2033, 96.4018, 108.4082



46.9260, 52.8114, 53.9899



19.3059, 20.4316, 23.1761



0.0000, 0.0000, 0.0000



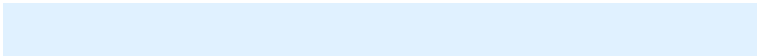
20.3446, 21.4041, 23.3091

Same Dimension

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



46.1941, 49.3469, 59.9143



80.4394, 86.1809, 107.0027



44.1971, 45.3527, 59.2486



10.5322, 11.2385, 13.5316



10.2668, 9.9276, 36.1195



0.5577, 0.6133, 1.7341

Inverse Universe

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



47.8263, 46.9464, 54.1203



83.9156, 81.1515, 94.6439



50.6274, 54.3751, 49.4228



10.8739, 10.7330, 12.3194



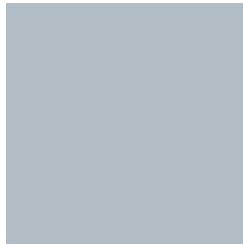
16.9816, 8.5422, 10.3787



0.8402, 0.4189, 0.6817

Previews

White Background



This preview shows how the XYZ color 46.1927, 49.3448, 59.9132 looks on a white background.

Color Contrast Check

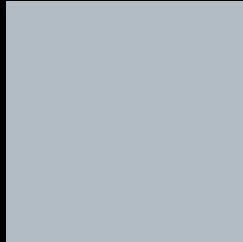
Large Text (above 18pt) WCAG AA × Fail

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 46.1927, 49.3448, 59.9132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

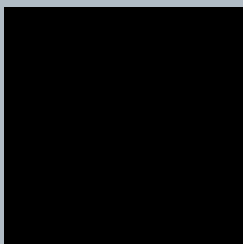
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

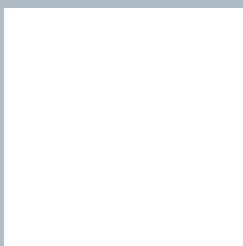
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1927, 49.3448, 59.9132

Background



This preview shows how black text looks on a background with the XYZ color 46.1927, 49.3448, 59.9132.



This preview shows how white text looks on a background with the XYZ color 46.1927, 49.3448,

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

46.1927, 49.3448, 59.9132

Protanopia

47.6928, 49.2028, 58.6132

Deuteranopia

50.2701, 49.2671, 60.2861



Tritanopia

46.7911, 49.2699, 62.9210

Trichromacy



Original Color

46.1927, 49.3448, 59.9132

Protanomaly

47.0512, 49.1706, 59.2356

Deuteranomaly

48.8194, 49.4346, 60.3948

Tritanomaly

46.5557, 49.1758, 61.6817

Monochromacy



Original Color

46.1927, 49.3448, 59.9132

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 46.1927, 49.3448, 59.9132 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, 188, 197) looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 188, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 188, 197) }
```

Border

The CSS property to change the border of an element to XYZ 46.1927, 49.3448, 59.9132 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, 188, 197) }
```


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

```
.border{ border-color:rgb(177, 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(177, 188, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 188, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 188, 197);  
box-shadow:4px 4px 4px 4px rgb(177, 188,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1927, 49.3448, 59.9132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 188, 197) }
```

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

```
.background{ background-color: rgb(177,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor