

Converting Colors

XYZ(41.8212, 44.9115, 59.8907)

Have a look what the booklet for
XYZ(41.8212, 44.9115, 59.8907)
contains.

XYZ(41.8212, 44.9115, 59.8907)	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(41.8212, 44.9115,
59.8907)**

Conversions

Conversions Part 1

Format	Color
Hex	A3B5C6
RGB	163, 181, 198
RGB Percent	64%, 71%, 78%
CMY	0.3608, 0.2902, 0.2235
CMYK	0.18, 0.09, 0.00, 0.22
HSL	209°, 23%, 71%
HSV	209°, 18%, 78%
XYZ	41.8212, 44.9115, 59.8907
YIQ	177.5560, -16.1850, 1.4710

Conversions

Conversions Part 2

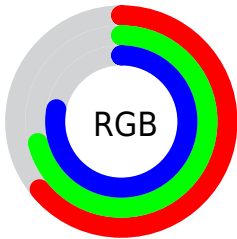
Format	Color
RYB	163, 175, 198
Decimal	10728902
CIELab	72.83, -2.61, -10.71
CIElCh	73, 11.020, 256.318
Yxy	44.9115, 0.2852, 0.3063
Android (android.graphics.Color)	4288918982 (0xFFA3B5C6)
YUV	177.5560, 10.0789, -12.7656
Hunter-Lab	67.0160, -5.8856, -6.0749

Details

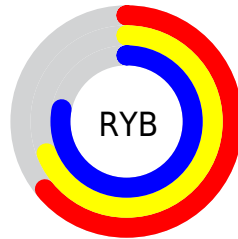
The XYZ color **41.8212, 44.9115, 59.8907** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.2213, 47.2927, 41.3436**, and the grayscale version is **42.0382, 44.2275, 48.1637**.

A 20% lighter version of the original color is **77.2476, 82.6938, 106.4979**, and **19.3088, 20.8315, 29.3888** is the 20% darker color. If you saturate the color by 10%, you get **36.1922, 39.2075, 59.0871**, and if you desaturate by 10%, it is **48.2226, 51.2163, 60.7710**.

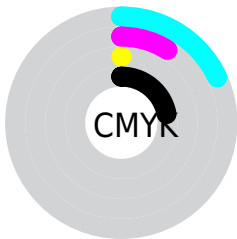
Distribution



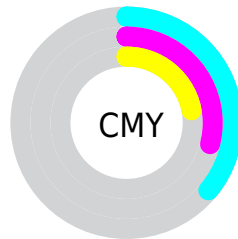
- Red (64%)
- Green (71%)
- Blue (78%)



- Red (64%)
- Yellow (69%)
- Blue (78%)



- Cyan (18%)
- Magenta (9%)
- Yellow (0%)
- Black (22%)



- Cyan (36%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8212, 44.9115, 59.8907 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 41.8212, 44.9115, 59.8907 by changing the saturation by 10% instead.

■ 41.8212, 44.9115,
59.8907

■ 41.8212, 44.9115,
59.8907

344.7455,
366.4150, 441.9882

■ 29.1518, 31.3877,
42.9058

■ 77.1958, 82.5876,
106.2129

■ 19.3406, 20.8943,
29.4804

■ 100.6317,
107.5087, 136.3873

■ 12.0221, 13.0467,
19.1958

128.3872,
136.9977, 171.7953

■ 6.8310, 7.4607,
11.6336

160.8276,
171.4390, 212.8555

■ 3.4020, 3.7519,
6.3752

198.3183,
211.2170, 259.9863

■ 1.3698, 1.5358,
3.0021

241.2246,

■ 0.2345, 0.3137,

256.7161, 313.6064

1.0957

289.9119,
308.3206, 374.1341

■ 0.0000, 0.0000,
0.0000

■ 41.8212, 44.9115,
59.8907

■ 41.8212, 44.9115,
59.8907

■ 36.1922, 39.2075,
59.0871

■ 48.2226, 51.2163,
60.7710

■ 31.2994, 34.0783,
58.3550

■ 55.4226, 58.1359,
61.7271

■ 27.1095, 29.5037,
57.6928

■ 63.4509, 65.6905,
62.7622

■ 23.5851, 25.4600,
57.0981

■ 72.3345, 73.8979,
63.8781

■ 20.6848, 21.9216,
56.5679

■ 79.4757, 81.4223,
64.9541

■ 18.3618, 18.8597,
56.0994

■ 82.2119, 86.8946,
65.8662

■ 16.5621, 16.2417,
55.6889

■ 85.0977, 92.6664,
66.8281

■ 15.2088, 14.0229,
55.3320

■ 87.1932, 96.8573,
67.5266

■ 14.9290, 13.5489,
55.2552

Harmonies

Analogous

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



40.1918, 44.9115, 56.9387



41.8212, 44.9115, 59.8907



43.7310, 44.9115, 59.7469

Triad

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



41.8212, 44.9115, 59.8907



46.3228, 44.9115, 45.9947



40.0767, 44.9115, 41.9671

Complementary

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



41.8212, 44.9115, 59.8907



46.2213, 47.2927, 41.3436

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.



41.6598, 44.9115, 39.4541



41.8212, 44.9115, 59.8907



45.2835, 44.9115, 41.6577

Square

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



41.8212, 44.9115, 59.8907



46.3692, 44.9115, 51.4404



43.5647, 44.9115, 39.3453



39.2051, 44.9115, 46.4466

Rectangle

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



41.8212, 44.9115, 59.8907



44.9074, 44.9115, 57.9086



43.5647, 44.9115, 39.3453



40.5411, 44.9115, 40.8796

Sweetspot

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



41.8225, 44.9133, 59.8917



88.5702, 93.7742, 108.0398



43.5290, 51.4675, 50.7764



18.7691, 19.8891, 23.0997



0.0000, 0.0000, 0.0000



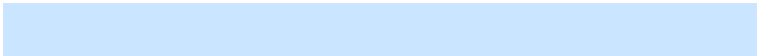
20.3446, 21.4041, 23.3091

Same Dimension

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



41.8225, 44.9133, 59.8917



70.2760, 75.7349, 105.5221



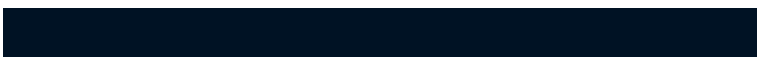
38.4993, 38.2668, 58.7840



10.5002, 11.1746, 13.5210



9.7946, 8.9831, 35.9620



0.5361, 0.5700, 1.7269

Inverse Universe

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



44.7275, 41.5374, 49.3783



76.3736, 68.9002, 83.3976



49.9614, 54.7729, 42.5903



10.8578, 10.7265, 12.2343



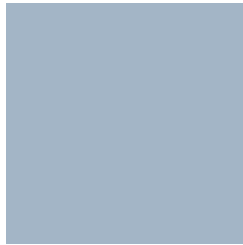
16.7432, 8.4468, 9.1234



0.8293, 0.4146, 0.6242

Previews

White Background



This preview shows how the XYZ color 41.8212, 44.9115, 59.8907 looks on a white background.

Color Contrast Check

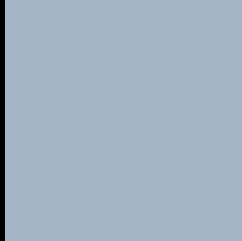
Large Text (above 18pt) WCAG AA × Fail

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 41.8212, 44.9115, 59.8907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

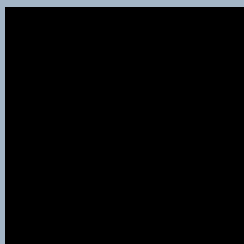
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

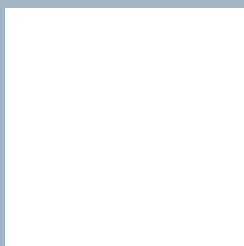
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8212, 44.9115, 59.8907

Background



This preview shows how black text looks on a background with the XYZ color 41.8212, 44.9115, 59.8907.



This preview shows how white text looks on a background with the XYZ color 41.8212, 44.9115,

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

41.8212, 44.9115, 59.8907

Protanopia

43.8174, 44.7769, 58.5579

Deuteranopia

45.6946, 44.8347, 60.2784



Tritanopia

41.5919, 44.8198, 58.6835

Trichromacy



Original Color

41.8212, 44.9115, 59.8907

Protanomaly

43.0117, 44.6427, 59.1733

Deuteranomaly

44.3910, 45.0328, 60.3854

Tritanomaly

41.7062, 44.8655, 59.2851

Monochromacy



Original Color

41.8212, 44.9115, 59.8907

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.1106, 44.6272, 52.2934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8212, 44.9115, 59.8907 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(163, 181, 198)` looks like.

```
.text, #text, p{  
    color:rgb(163, 181, 198)  
}
```

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(163, 181, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 181, 198) }
```

Border

The CSS property to change the border of an element to XYZ 41.8212, 44.9115, 59.8907 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(163, 181, 198) }
```


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

```
.border{ border-color:rgb(163, 181, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 181, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 181, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 181, 198);  
box-shadow:4px 4px 4px 4px rgb(163, 181,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8212, 44.9115, 59.8907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 181, 198) }
```

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

```
.background{ background-color: rgb(163,  
181, 198) }
```

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