

Converting Colors

XYZ(46.8201, 59.1280, 58.1162)

Have a look what the booklet for
XYZ(46.8201, 59.1280, 58.1162)
contains.

XYZ(46.8413, 59.1348, 58.2356)	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(46.8413, 59.1348,
58.2356)**

Conversions

Conversions Part 1

Format	Color
Hex	99D7BF
RGB	153, 215, 191
RGB Percent	60%, 84%, 75%
CMY	0.4000, 0.1568, 0.2510
CMYK	0.29, 0.00, 0.11, 0.16
HSL	157°, 44%, 72%
HSV	157°, 29%, 84%
XYZ	46.8413, 59.1348, 58.2356
YIQ	193.7260, -29.2480, -20.6080

Conversions

Conversions Part 2

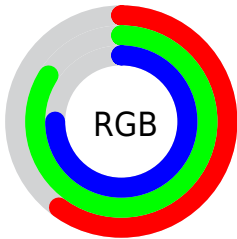
Format	Color
RYB	153, 191, 215
Decimal	10082239
CIELab	81.37, -24.74, 5.53
CIELCh	81, 25.347, 167.406
Yxy	59.1348, 0.2852, 0.3601
Android (android.graphics.Color)	4288272319 (0xFF99D7BF)
YUV	193.7260, -1.3439, -35.7167
Hunter-Lab	76.8992, -25.8445, 8.9292

Details

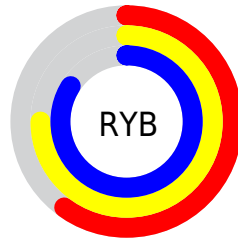
The XYZ color **46.8413, 59.1348, 58.2356** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.3534, 40.4054, 46.9006**, and the grayscale version is **51.1376, 53.8008, 58.5890**.

A 20% lighter version of the original color is **78.8430, 91.7907, 101.5576**, and **22.4138, 29.6859, 28.5934** is the 20% darker color. If you saturate the color by 10%, you get **42.2533, 56.8740, 53.3752**, and if you desaturate by 10%, it is **52.2159, 61.7982, 63.4071**.

Distribution



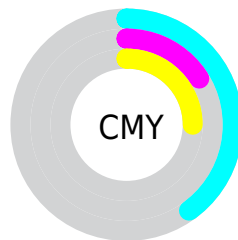
- Red (60%)
- Green (84%)
- Blue (75%)



- Red (60%)
- Yellow (75%)
- Blue (84%)



- Cyan (29%)
- Magenta (0%)
- Yellow (11%)
- Black (16%)



- Cyan (40%)
- Magenta (16%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8413, 59.1348, 58.2356 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 46.8413, 59.1348, 58.2356 by changing the saturation by 10% instead.


 46.8413, 59.1348,
58.2356


 46.8413, 59.1348,
58.2356


364.8402,
421.4013, 435.6860

 33.1176, 42.7216,
41.5821


 84.6969, 103.5736,
103.7840

 22.3762, 29.6668,
28.4511


 109.5595,
132.3679, 133.5161

 14.2518, 19.5858,
18.4240


138.8658,
166.0582, 168.4447

 8.3789, 12.0943,
11.0822

172.9812,
205.0287, 208.9885

 4.3921, 6.8079,
6.0073

212.2709,
249.6639, 255.5660

 1.9263, 3.3423,
2.7807

257.1004,

 0.5920, 1.3129,

300.3481, 308.5957

0.9838

307.8351,
357.4658, 368.4962

■ 0.0000, 0.1512,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8413, 59.1348,
58.2356

■ 46.8413, 59.1348,
58.2356

■ 42.2533, 56.8740,
53.3752

■ 52.2159, 61.7982,
63.4071

■ 38.4067, 54.9880,
48.8156


■ 58.4092, 64.8760,
68.8918


■ 35.2594, 53.4566,
44.5514


■ 65.4577, 68.3884,
74.6969


■ 32.7628, 52.2550,
40.5757


■ 73.3940, 72.3523,
80.8281


 30.8615, 51.3546,
36.8810


 80.1950, 75.7245,
87.1949


 29.4905, 50.7222,
33.4594

 81.4100, 76.2105,
93.5928

 28.5484, 50.3054,
30.3009

 82.6818, 76.7192,
100.2900

 28.4507, 50.2627,
29.9498

 83.5915, 77.0831,
105.0805

Harmonies

Analogous

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



49.0372, 59.1348, 46.5969



46.8413, 59.1348, 58.2356



47.0376, 59.1348, 73.5126

Triad

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



46.8413, 59.1348, 58.2356



59.3077, 59.1348, 96.4203



63.3838, 59.1348, 45.2148

Complementary

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



46.8413, 59.1348, 58.2356



47.3534, 40.4054, 46.9006

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.



66.4942, 59.1348, 56.0510



46.8413, 59.1348, 58.2356



64.0412, 59.1348, 86.2129

Square

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



46.8413, 59.1348, 58.2356



54.0145, 59.1348, 97.2524



66.7421, 59.1348, 70.9586



58.4557, 59.1348, 39.9120

Rectangle

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



46.8413, 59.1348, 58.2356



48.4982, 59.1348, 83.7797



66.7421, 59.1348, 70.9586



64.6897, 59.1348, 48.2459

Sweetspot

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



46.8429, 59.1372, 58.2369



85.7072, 95.3451, 101.1679



48.3664, 60.3447, 39.2364



18.0427, 20.2574, 21.3944



0.0000, 0.0000, 0.0000



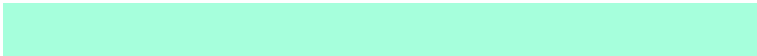
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8429, 59.1372, 58.2369



64.4114, 84.7911, 80.9939



48.1560, 57.1839, 72.7924



12.5790, 14.0226, 14.8635



17.0695, 30.0831, 18.1935



1.0695, 1.8305, 1.3079

Inverse Universe

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



47.3534, 40.4054, 46.9006



65.2914, 52.6258, 61.5447



46.2085, 41.6136, 35.7347



12.6203, 12.4996, 13.9406



17.7494, 9.0361, 5.9846



1.1105, 0.5610, 0.5712

Previews

White Background



This preview shows how the XYZ color 46.8413, 59.1348, 58.2356 looks on a white background.

Color Contrast Check

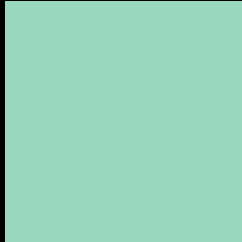
Large Text (above 18pt) WCAG AA × Fail

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 46.8413, 59.1348, 58.2356 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

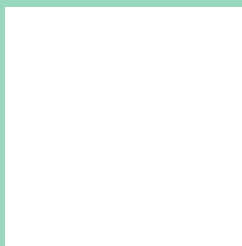
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8413, 59.1348, 58.2356

Background



This preview shows how black text looks on a background with the XYZ color 46.8413, 59.1348, 58.2356.



This preview shows how white text looks on a background with the XYZ color 46.8413, 59.1348,

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

46.8413, 59.1348, 58.2356

Protanopia

55.7284, 58.7475, 53.2019

Deuteranopia

59.7969, 58.6583, 59.8003



Tritanopia

51.4089, 59.1128, 81.3734

Trichromacy



Original Color

46.8413, 59.1348, 58.2356

Protanomaly

51.9205, 58.5066, 55.0108

Deuteranomaly

54.1468, 58.1419, 59.4076

Tritanomaly

49.5857, 59.1101, 72.4143

Monochromacy



Original Color

46.8413, 59.1348, 58.2356

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.3366, 55.6750, 58.5981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8413, 59.1348, 58.2356 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(153, 215, 191)` looks like.

```
.text, #text, p{  
    color:rgb(153, 215, 191)  
}
```

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(153, 215, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 215, 191) }
```

Border

The CSS property to change the border of an element to XYZ 46.8413, 59.1348, 58.2356 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(153, 215, 191) }
```


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

```
.border{ border-color:rgb(153, 215, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 215, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 215, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 215, 191);  
box-shadow:4px 4px 4px 4px rgb(153, 215,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8413, 59.1348, 58.2356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 215, 191) }
```

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

```
.background{ background-color: rgb(153,  
215, 191) }
```

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