

Converting Colors

XYZ(46.8308, 52.4281, 59.1491)

Have a look what the booklet for
XYZ(46.8308, 52.4281, 59.1491)
contains.

XYZ(46.8238, 52.3042, 59.2576)	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(46.8238, 52.3042,
59.2576)**

Conversions

Conversions Part 1

Format	Color
Hex	ADC4C3
RGB	173, 196, 195
RGB Percent	68%, 77%, 76%
CMY	0.3216, 0.2314, 0.2353
CMYK	0.12, 0.00, 0.01, 0.23
HSL	177°, 16%, 72%
HSV	177°, 12%, 77%
XYZ	46.8238, 52.3042, 59.2576
YIQ	189.0090, -13.3870, -5.1870

Conversions

Conversions Part 2

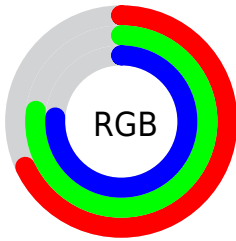
Format	Color
RYB	173, 185, 196
Decimal	11388099
CIELab	77.46, -7.96, -2.15
CIELCh	77, 8.247, 195.093
Yxy	52.3042, 0.2956, 0.3302
Android (android.graphics.Color)	4289578179 (0xFFADC4C3)
YUV	189.0090, 2.9536, -14.0399
Hunter-Lab	72.3216, -10.9951, 2.0452

Details

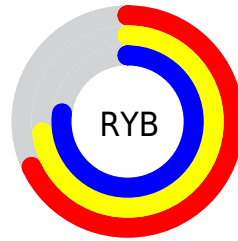
The XYZ color **46.8238, 52.3042, 59.2576** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.3503, 44.6802, 46.2806**, and the grayscale version is **48.3652, 50.8840, 55.4127**.

A 20% lighter version of the original color is **85.0091, 93.9368, 105.7466**, and **22.2264, 25.2622, 28.9039** is the 20% darker color. If you saturate the color by 10%, you get **42.7077, 50.1948, 58.5631**, and if you desaturate by 10%, it is **51.5793, 54.7460, 59.9871**.

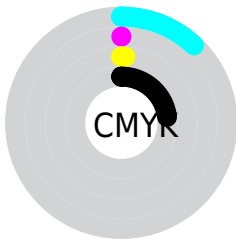
Distribution



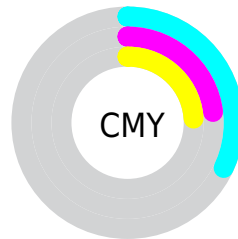
- Red (68%)
- Green (77%)
- Blue (76%)



- Red (68%)
- Yellow (73%)
- Blue (77%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (23%)



- Cyan (32%)
- Magenta (23%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8238, 52.3042, 59.2576 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 46.8238, 52.3042, 59.2576 by changing the saturation by 10% instead.

■ 46.8238, 52.3042,
59.2576

■ 46.8238, 52.3042,
59.2576

364.7714,
395.6099, 439.5843

■ 33.1037, 37.2476,
42.3991

■ 84.6709, 93.5797,
105.2848

■ 22.3655, 25.3993,
29.0861

109.5286,
120.5674, 135.2906

■ 14.2439, 16.3748,
18.8998

138.8297,
152.3010, 170.5159

■ 8.3733, 9.7897,
11.4218

172.9393,
189.1647, 211.3793

■ 4.3885, 5.2598,
6.2336

212.2230,
231.5431, 258.2993

■ 1.9242, 2.4005,
2.9165

257.0460,

■ 0.5908, 0.8261,

279.8205, 311.6944

1.0522

307.7737,
334.3813, 371.9832

■ 0.0000, 0.0000,
0.0000

■ 46.8238, 52.3042,
59.2576

■ 46.8238, 52.3042,
59.2576

■ 42.7077, 50.1948,
58.5631

■ 51.5793, 54.7460,
59.9871

■ 39.1990, 48.3971,
57.8988

■ 56.9956, 57.5269,
60.7494

■ 36.2694, 46.8978,
57.2644

■ 63.0986, 60.6618,
61.5466

■ 33.8870, 45.6806,
56.6586

■ 69.9115, 64.1626,
62.3801

■ 32.0166, 44.7273,
56.0796

■ 71.3216, 64.8780,
62.9635

■ 30.6189, 44.0175,
55.5255

■ 71.4213, 64.9179,
63.4886

■ 29.6489, 43.5282,
54.9944

■ 71.5215, 64.9580,
64.0165

■ 29.0529, 43.2317,
54.4836

■ 71.6224, 64.9984,
64.5475

■ 28.7597, 43.0893,
54.0729

■ 71.7237, 65.0389,
65.0814

Harmonies

Analogous

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



46.8213, 52.3042, 54.7307



46.8238, 52.3042, 59.2576



47.5893, 52.3042, 63.3702

Triad

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



46.8238, 52.3042, 59.2576



51.9074, 52.3042, 63.3485



50.5031, 52.3042, 48.9121

Complementary

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



46.8238, 52.3042, 59.2576



45.3503, 44.6802, 46.2806

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.



51.9001, 52.3042, 50.9795



46.8238, 52.3042, 59.2576



52.7225, 52.3042, 59.2293

Square

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



46.8238, 52.3042, 59.2576



50.5128, 52.3042, 65.8162



52.7199, 52.3042, 54.7038



48.9228, 52.3042, 48.9188

Rectangle

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



46.8238, 52.3042, 59.2576



48.4389, 52.3042, 65.2545



52.7199, 52.3042, 54.7038



51.0104, 52.3042, 49.3825

Sweetspot

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



46.8253, 52.3064, 59.2588



91.3249, 98.0879, 108.3524



44.7732, 51.5151, 47.1196



19.4021, 20.9203, 23.1701



0.0000, 0.0000, 0.0000



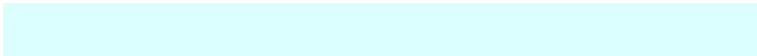
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8253, 52.3064, 59.2588



82.8641, 93.7468, 107.0269



44.6841, 47.8419, 59.1064



10.3490, 11.4206, 12.8409



18.4871, 27.6889, 34.7876



0.8047, 1.1987, 1.5345

Inverse Universe

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



45.3503, 44.6802, 46.2806



79.6819, 77.2925, 79.0256



47.3154, 48.7662, 46.4550



10.0906, 10.0848, 10.5676



14.6659, 7.5561, 0.8866



0.6399, 0.3290, 0.0713

Previews

White Background



This preview shows how the XYZ color 46.8238, 52.3042, 59.2576 looks on a white background.

Color Contrast Check

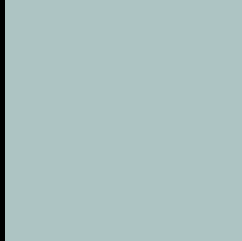
Large Text (above 18pt) WCAG AA × Fail

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 46.8238, 52.3042, 59.2576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

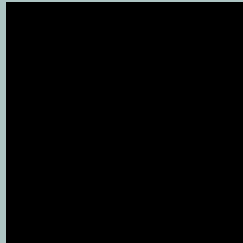
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8238, 52.3042, 59.2576

Background



This preview shows how black text looks on a background with the XYZ color 46.8238, 52.3042, 59.2576.

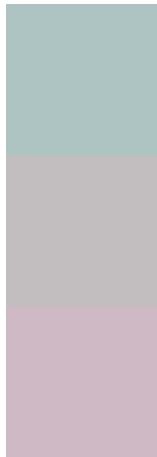


This preview shows how white text looks on a background with the XYZ color 46.8238, 52.3042,

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

46.8238, 52.3042, 59.2576

Protanopia

50.1760, 52.1020, 57.2813

Deuteranopia

53.1591, 51.9945, 60.0575



Tritanopia

48.7049, 52.4171, 67.8721

Trichromacy



Original Color

46.8238, 52.3042, 59.2576

Protanomaly

48.7250, 51.9886, 57.9188

Deuteranomaly

50.6671, 51.9828, 59.5878

Tritanomaly

48.0934, 52.5038, 64.7262

Monochromacy



Original Color

46.8238, 52.3042, 59.2576

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.7820, 51.5281, 56.7178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8238, 52.3042, 59.2576 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(173, 196, 195)` looks like.

```
.text, #text, p{  
    color:rgb(173, 196, 195)  
}
```

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(173, 196, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 196, 195) }
```

Border

The CSS property to change the border of an element to XYZ 46.8238, 52.3042, 59.2576 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(173, 196, 195) }
```


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

```
.border{ border-color:rgb(173, 196, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 196, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 196, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 196, 195);  
box-shadow:4px 4px 4px 4px rgb(173, 196,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8238, 52.3042, 59.2576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 196, 195) }
```

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

```
.background{ background-color: rgb(173,  
196, 195) }
```

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