

Converting Colors

XYZ(46.3170, 52.2274, 60.2243)

Have a look what the booklet for
XYZ(46.3170, 52.2274, 60.2243)
contains.

XYZ(46.4065, 52.3987, 60.4914)	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(46.4065, 52.3987,
60.4914)**

Conversions

Conversions Part 1

Format	Color
Hex	A9C5C5
RGB	169, 197, 197
RGB Percent	66%, 77%, 77%
CMY	0.3372, 0.2274, 0.2274
CMYK	0.14, 0.00, 0.00, 0.23
HSL	180°, 19%, 72%
HSV	180°, 14%, 77%
XYZ	46.4065, 52.3987, 60.4914
YIQ	188.6280, -16.6880, -5.9360

Conversions

Conversions Part 2

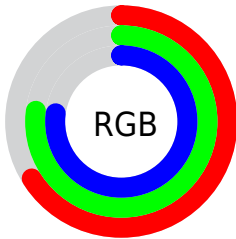
Format	Color
R_{YB}	169, 183, 197
Decimal	11126213
CIE _{Lab}	77.52, -9.38, -3.18
CIE _{LCh}	78, 9.904, 198.703
Yxy	52.3987, 0.2913, 0.3289
Android (android.graphics.Color)	4289316293 (0xFFA9C5C5)
YUV	188.6280, 4.1274, -17.2138
Hunter-Lab	72.3869, -12.2427, 1.1242

Details

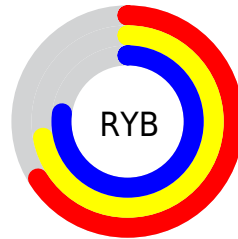
The XYZ color **46.4065, 52.3987, 60.4914** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.3773, 43.1123, 43.5210**, and the grayscale version is **48.1426, 50.6497, 55.1576**.

A 20% lighter version of the original color is **84.0717, 93.8867, 107.4568**, and **22.1165, 25.4100, 29.7256** is the 20% darker color. If you saturate the color by 10%, you get **42.4947, 50.3835, 60.3083**, and if you desaturate by 10%, it is **50.9581, 54.7465, 60.7066**.

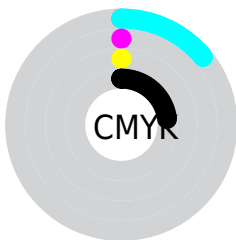
Distribution



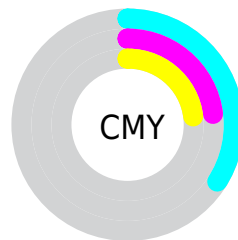
- Red (66%)
- Green (77%)
- Blue (77%)



- Red (66%)
- Yellow (72%)
- Blue (77%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (34%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4065, 52.3987, 60.4914 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 46.4065, 52.3987, 60.4914 by changing the saturation by 10% instead.

■ 46.4065, 52.3987,
60.4914

■ 46.4065, 52.3987,
60.4914

363.1291,
395.9739, 444.2615

■ 32.7727, 37.3230,
43.3870

■ 84.0512, 93.7190,
107.0925

■ 22.1108, 25.4577,
29.8552

■ 108.7928,
120.7323, 137.4263

■ 14.0554, 16.4183,
19.4776

137.9677,
152.4936, 173.0069

■ 8.2411, 9.8207,
11.8356

171.9412,
189.3873, 214.2529

■ 4.3027, 5.2802,
6.5106

211.0788,
231.7978, 261.5828

■ 1.8748, 2.4126,
3.0842

255.7457,

■ 0.5621, 0.8324,

280.1095, 315.4152

1.1378

306.3074,
334.7067, 376.1686

■ 0.0000, 0.0000,
0.0000

■ 46.4065, 52.3987,
60.4914

■ 46.4065, 52.3987,
60.4914

■ 42.4947, 50.3835,
60.3083

■ 50.9581, 54.7465,
60.7066

■ 39.1898, 48.6798,
60.1525

■ 56.1717, 57.4342,
60.9518

■ 36.4628, 47.2740,
60.0238

■ 62.0737, 60.4768,
61.2291

■ 34.2805, 46.1490,
59.9205

■ 68.6881, 63.8866,
61.5398

■ 32.6063, 45.2860,
59.8410

■ 71.2865, 65.2261,
61.6625

■ 31.3992, 44.6637,
59.7834

■ 71.2867, 65.2261,
61.6636

■ 30.6119, 44.2579,
59.7454

■ 71.2869, 65.2262,
61.6648

■ 30.1870, 44.0388,
59.7244

■ 71.2871, 65.2263,
61.6659

■ 30.0435, 43.9649,
59.7171

■ 71.2873, 65.2264,
61.6670

Harmonies

Analogous

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



46.2895, 52.3987, 55.0184



46.4065, 52.3987, 60.4914



47.4197, 52.3987, 65.3222

Triad

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



46.4065, 52.3987, 60.4914



52.6127, 52.3987, 64.2770



50.5260, 52.3987, 47.3520

Complementary

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



46.4065, 52.3987, 60.4914



44.3773, 43.1123, 43.5210

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.



52.2656, 52.3987, 49.5134



46.4065, 52.3987, 60.4914



53.4907, 52.3987, 59.1377

Square

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



46.4065, 52.3987, 60.4914



50.9898, 52.3987, 67.6023



53.3621, 52.3987, 53.7480



48.6355, 52.3987, 47.6630

Rectangle

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



46.4065, 52.3987, 60.4914



48.4819, 52.3987, 67.4202



53.3621, 52.3987, 53.7480



51.1487, 52.3987, 47.8076

Sweetspot

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



46.4080, 52.4009, 60.4926



91.3963, 98.1165, 108.7282



43.5918, 51.2860, 45.1388



19.4202, 20.9276, 23.2656



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.



46.4080, 52.4009, 60.4926



80.8599, 92.6848, 108.2324



43.4717, 46.5277, 59.5153



10.9467, 12.0676, 13.6696



19.7601, 28.9164, 39.2770



0.9357, 1.3692, 1.8598

Inverse Universe

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



44.3773, 43.1123, 43.5210



76.5362, 72.9082, 72.0977



47.0267, 48.4115, 44.4029



10.6339, 10.6370, 11.0556



15.1453, 7.8077, 0.7092



0.7171, 0.3697, 0.0337

Previews

White Background



This preview shows how the XYZ color 46.4065, 52.3987, 60.4914 looks on a white background.

Color Contrast Check

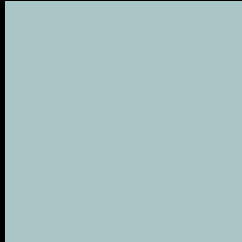
Large Text (above 18pt) WCAG AA × Fail

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 46.4065, 52.3987, 60.4914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

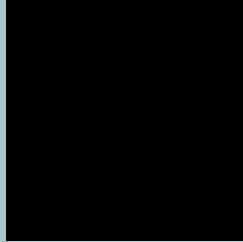
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4065, 52.3987, 60.4914

Background



This preview shows how black text looks on a background with the XYZ color 46.4065, 52.3987, 60.4914.



This preview shows how white text looks on a background with the XYZ color 46.4065, 52.3987,

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

46.4065, 52.3987, 60.4914

Protanopia

50.2872, 52.1465, 57.8669

Deuteranopia

53.1114, 51.9433, 61.2596



Tritanopia

47.9426, 52.3413, 68.5488

Trichromacy



Original Color

46.4065, 52.3987, 60.4914

Protanomaly

48.8152, 52.3493, 58.5705

Deuteranomaly

50.3830, 51.8099, 60.7709

Tritanomaly

47.3369, 52.4337, 65.3834

Monochromacy



Original Color

46.4065, 52.3987, 60.4914

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.6555, 51.4501, 57.2883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4065, 52.3987, 60.4914 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(169, 197, 197)` looks like.

```
.text, #text, p{  
    color:rgb(169, 197, 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(169, 197, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 197, 197) }
```

Border

The CSS property to change the border of an element to XYZ 46.4065, 52.3987, 60.4914 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(169, 197, 197) }
```


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

```
.border{ border-color:rgb(169, 197, 197) }
```

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

Here you see how a box with a 4 pixel rgb(169, 197, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 197, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 197, 197);  
box-shadow:4px 4px 4px 4px rgb(169, 197,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4065, 52.3987, 60.4914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 197, 197) }
```

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

```
.background{ background-color: rgb(169,  
197, 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