

Converting Colors

XYZ(45.6891, 52.4400, 61.3413)

Have a look what the booklet for
XYZ(45.6891, 52.4400, 61.3413)
contains.

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Color

**XYZ(45.4914, 52.2519,
61.1141)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C6C6
RGB	163, 198, 198
RGB Percent	64%, 78%, 78%
CMY	0.3608, 0.2235, 0.2235
CMYK	0.18, 0.00, 0.00, 0.22
HSL	180°, 23%, 71%
HSV	180°, 18%, 78%
XYZ	45.4914, 52.2519, 61.1141
YIQ	187.5350, -20.8600, -7.4200

Conversions

Conversions Part 2

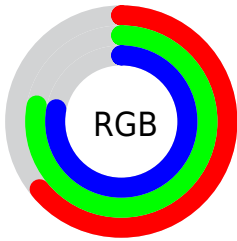
Format	Color
RYB	163, 181, 198
Decimal	10733254
CIELab	77.43, -11.61, -3.89
CIElCh	77, 12.244, 198.519
Yxy	52.2519, 0.2864, 0.3289
Android (android.graphics.Color)	4288923334 (0xFFA3C6C6)
YUV	187.5350, 5.1592, -21.5172
Hunter-Lab	72.2855, -14.1642, 0.4728

Details

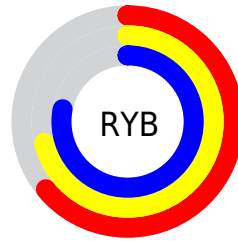
The XYZ color **45.4914, 52.2519, 61.1141** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.9986, 40.8460, 40.2703**, and the grayscale version is **47.5177, 49.9924, 54.4417**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **21.5628, 25.3396, 30.1401** is the 20% darker color. If you saturate the color by 10%, you get **41.7507, 50.3249, 60.9393**, and if you desaturate by 10%, it is **49.8699, 54.5104, 61.3210**.

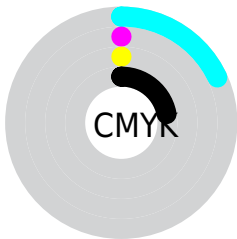
Distribution



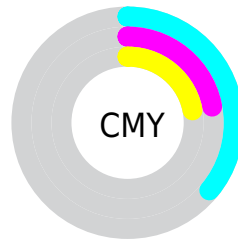
- Red (64%)
- Green (78%)
- Blue (78%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4914, 52.2519, 61.1141 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 45.4914, 52.2519, 61.1141 by changing the saturation by 10% instead.


 45.4914, 52.2519,
61.1141


 45.4914, 52.2519,
61.1141


359.5104,
395.4083, 446.6104

 32.0476, 37.2059,
43.8861


 82.6899, 93.5026,
108.0033

 21.5536, 25.3670,
30.2444


 107.1752,
120.4762, 138.5015

 13.6440, 16.3507,
19.7706


136.0718,
152.1943, 174.2603

 7.9535, 9.7726,
12.0460

169.7449,
189.0415, 215.6980

 4.1168, 5.2485,
6.6521

208.5600,
231.4021, 263.2334

 1.7684, 2.3938,
3.1703

252.8824,

 0.4985, 0.8227,

279.6605, 317.2849

1.1823

303.0774,
334.2011, 378.2710

■ 0.0000, 0.0000,
0.0000

■ 45.4914, 52.2519,
61.1141

■ 45.4914, 52.2519,
61.1141

■ 41.7507, 50.3249,
60.9393

■ 49.8699, 54.5104,
61.3210

■ 38.6138, 48.7078,
60.7916

■ 54.9092, 57.1083,
61.5577

■ 36.0504, 47.3863,
60.6707

■ 60.6366, 60.0609,
61.8266

■ 34.0259, 46.3427,
60.5751

■ 67.0768, 63.3809,
62.1289

■ 32.5017, 45.5570,
60.5029

■ 71.6291, 65.7276,
62.3428

■ 31.4345, 45.0068,
60.4521

■ 71.6292, 65.7277,
62.3437

■ 30.7733, 44.6659,
60.4203

■ 71.6294, 65.7278,
62.3446

■ 30.4444, 44.4964,
60.4040

■ 71.6296, 65.7278,
62.3455

■ 30.3868, 44.4667,
60.4011

■ 71.6297, 65.7279,
62.3463

Harmonies

Analogous

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



45.3558, 52.2519, 54.3503



45.4914, 52.2519, 61.1141



46.7236, 52.2519, 67.1761

Triad

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



45.4914, 52.2519, 61.1141



53.1353, 52.2519, 65.9259



50.5709, 52.2519, 45.1038

Complementary

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



45.4914, 52.2519, 61.1141



42.9986, 40.8460, 40.2703

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.



52.7250, 52.2519, 47.7176



45.4914, 52.2519, 61.1141



54.2365, 52.2519, 59.5147

Square

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



45.4914, 52.2519, 61.1141



51.1165, 52.2519, 70.1021



54.0840, 52.2519, 52.8717



48.2390, 52.2519, 45.4578

Rectangle

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



45.4914, 52.2519, 61.1141



48.0236, 52.2519, 69.8388



54.0840, 52.2519, 52.8717



51.3411, 52.2519, 45.6556

Sweetspot

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



45.4929, 52.2541, 61.1153



90.5137, 97.6615, 108.6869



42.0305, 50.8829, 42.2575



19.2425, 20.8359, 23.2573



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.



45.4929, 52.2541, 61.1153



78.0179, 91.2197, 108.0996



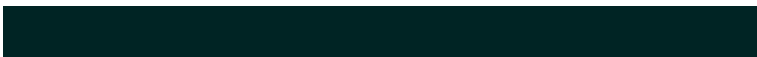
41.8397, 44.9471, 59.8990



10.9467, 12.0676, 13.6696



19.7605, 28.9166, 39.2787



0.9357, 1.3692, 1.8599

Inverse Universe

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



42.9986, 40.8460, 40.2703



72.8278, 67.4819, 64.7256



46.2059, 47.2608, 41.3383



10.6339, 10.6370, 11.0556



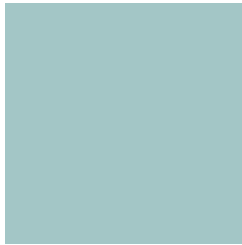
15.1453, 7.8077, 0.7091



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 45.4914, 52.2519, 61.1141 looks on a white background.

Color Contrast Check

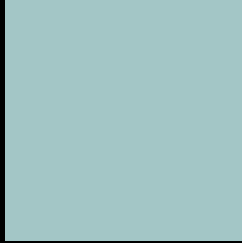
Large Text (above 18pt) WCAG AA × Fail

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 45.4914, 52.2519, 61.1141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

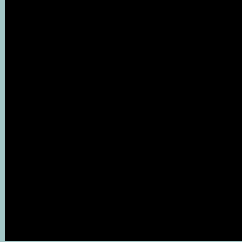
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4914, 52.2519, 61.1141

Background



This preview shows how black text looks on a background with the XYZ color 45.4914, 52.2519, 61.1141.

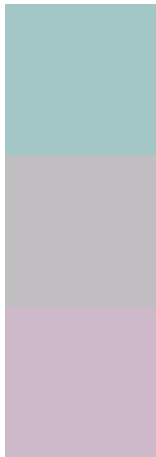


This preview shows how white text looks on a background with the XYZ color 45.4914, 52.2519,

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

45.4914, 52.2519, 61.1141

Protanopia

50.0314, 52.0146, 57.8550

Deuteranopia

53.0684, 51.8941, 62.4779



Tritanopia

47.3495, 52.3403, 69.8945

Trichromacy



Original Color

45.4914, 52.2519, 61.1141

Protanomaly

48.2117, 52.0251, 59.1306

Deuteranomaly

50.0740, 51.9442, 62.0306

Tritanomaly

46.7458, 52.4368, 66.6890

Monochromacy



Original Color

45.4914, 52.2519, 61.1141

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.9545, 51.0888, 57.2555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4914, 52.2519, 61.1141 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, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(163, 198, 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, 198, 198) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 45.4914, 52.2519, 61.1141 is called "border". The border property can be set on classes, ids or directly on the HTML element.

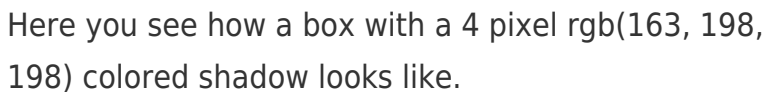
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 198, 198) }
```


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

```
.border{ border-color:rgb(163, 198, 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, 198, 198)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 45.4914, 52.2519, 61.1141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(163,  
198, 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](#).

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