

Converting Colors

XYZ(46.5558, 53.2901, 62.0826)

Have a look what the booklet for
XYZ(46.5558, 53.2901, 62.0826)
contains.

XYZ(46.4581, 53.0774, 61.8292)	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(46.4581, 53.0774,
61.8292)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C7C7
RGB	166, 199, 199
RGB Percent	65%, 78%, 78%
CMY	0.3490, 0.2196, 0.2196
CMYK	0.17, 0.00, 0.00, 0.22
HSL	180°, 23%, 72%
HSV	180°, 17%, 78%
XYZ	46.4581, 53.0774, 61.8292
YIQ	189.1330, -19.6680, -6.9960

Conversions

Conversions Part 2

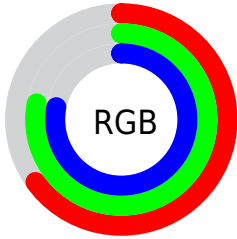
Format	Color
R_{YB}	166, 183, 199
Decimal	10930119
CIE _{Lab}	77.92, -10.97, -3.69
CIE _{LCh}	78, 11.571, 198.575
Yxy	53.0774, 0.2879, 0.3289
Android (android.graphics.Color)	4289120199 (0xFFA6C7C7)
YUV	189.1330, 4.8644, -20.2876
Hunter-Lab	72.8542, -13.6680, 0.6803

Details

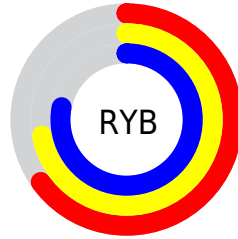
The XYZ color **46.4581, 53.0774, 61.8292** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.0742, 42.1691, 41.8951**, and the grayscale version is **48.4282, 50.9502, 55.4848**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **22.1757, 25.8725, 30.6132** is the 20% darker color. If you saturate the color by 10%, you get **42.6053, 51.0926, 61.6490**, and if you desaturate by 10%, it is **50.9595, 55.3993, 62.0420**.

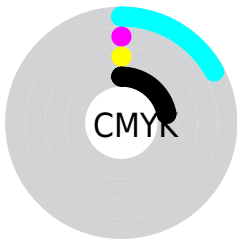
Distribution



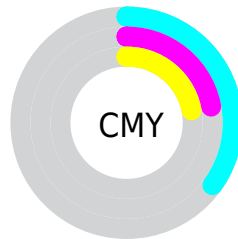
- Red (65%)
- Green (78%)
- Blue (78%)



- Red (65%)
- Yellow (72%)
- Blue (78%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)



- Cyan (35%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4581, 53.0774, 61.8292 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 46.4581, 53.0774, 61.8292 by changing the saturation by 10% instead.

■ 46.4581, 53.0774,
61.8292

■ 46.4581, 53.0774,
61.8292

363.3325,
398.5820, 449.2982

■ 32.8136, 37.8646,
44.4598

■ 84.1278, 94.7183,
109.0478

■ 22.1423, 25.8776,
30.6923

■ 108.8838,
121.9151, 139.7342

■ 14.0787, 16.7321,
20.1082

138.0743,
153.8753, 175.6965

■ 8.2575, 10.0437,
12.2888

172.0647,
190.9834, 217.3535

■ 4.3133, 5.4279,
6.8158

211.2204,
233.6237, 265.1236

■ 1.8809, 2.5005,
3.2705

255.9067,

■ 0.5657, 0.8769,

282.1807, 319.4254

1.2343

306.4889,
337.0386, 380.6775

■ 0.0000, 0.0000,
0.0071

■ 0.0000, 0.0000,
0.0000

■ 46.4581, 53.0774,
61.8292

■ 46.4581, 53.0774,
61.8292

■ 42.6053, 51.0926,
61.6490

■ 50.9595, 55.3993,
62.0420

■ 39.3668, 49.4232,
61.4963

■ 56.1326, 58.0662,
62.2852

■ 36.7124, 48.0548,
61.3711

■ 62.0050, 61.0934,
62.5611

■ 34.6073, 46.9696,
61.2715

■ 68.6013, 64.4939,
62.8708

■ 33.0129, 46.1477,
61.1958

■ 71.9744, 66.2328,
63.0297

■ 31.8861, 45.5668,
61.1420

■ 71.9746, 66.2329,
63.0308

■ 31.1760, 45.2008,
61.1078

■ 71.9748, 66.2330,
63.0319

■ 30.8169, 45.0156,
61.0899

■ 71.9750, 66.2331,
63.0329

■ 30.7317, 44.9717,
61.0855

■ 71.9752, 66.2331,
63.0340

Harmonies

Analogous

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



46.3261, 53.0774, 55.3728



46.4581, 53.0774, 61.8292



47.6401, 53.0774, 67.5883

Triad

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



46.4581, 53.0774, 61.8292



53.7621, 53.0774, 66.3828



51.3102, 53.0774, 46.4796

Complementary

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



46.4581, 53.0774, 61.8292



44.0742, 42.1691, 41.8951

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.



53.3651, 53.0774, 48.9917



46.4581, 53.0774, 61.8292



54.8085, 53.0774, 60.2812

Square

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



46.4581, 53.0774, 61.8292



51.8390, 53.0774, 70.3491



54.6610, 53.0774, 53.9350



49.0830, 53.0774, 46.8263

Rectangle

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



46.4581, 53.0774, 61.8292



48.8848, 53.0774, 70.1091



54.6610, 53.0774, 53.9350



52.0452, 53.0774, 47.0097

Sweetspot

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



46.4596, 53.0796, 61.8304



90.5136, 97.6614, 108.6868



43.1493, 51.7688, 43.7954



19.2424, 20.8359, 23.2573



0.0000, 0.0000, 0.0000



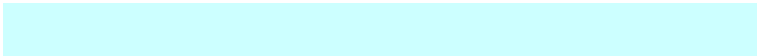
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4596, 53.0796, 61.8304



78.7111, 91.5771, 108.1316



42.9800, 46.1198, 60.6722



10.9467, 12.0676, 13.6696



19.7603, 28.9165, 39.2776



0.9357, 1.3692, 1.8599

Inverse Universe

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



44.0742, 42.1691, 41.8951



73.7325, 68.8056, 66.5242



47.1557, 48.3326, 42.9210



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 46.4581, 53.0774, 61.8292 looks on a white background.

Color Contrast Check

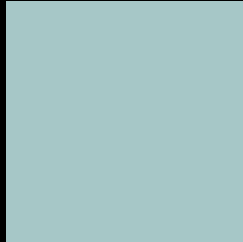
Large Text (above 18pt) WCAG AA × Fail

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 46.4581, 53.0774, 61.8292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

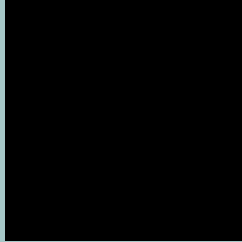
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4581, 53.0774, 61.8292

Background



This preview shows how black text looks on a background with the XYZ color 46.4581, 53.0774, 61.8292.

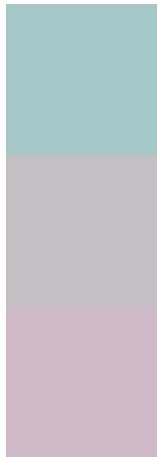


This preview shows how white text looks on a background with the XYZ color 46.4581, 53.0774,

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

46.4581, 53.0774, 61.8292

Protanopia

50.8741, 52.7587, 58.5410

Deuteranopia

53.9517, 52.6475, 63.1955



Tritanopia

48.3387, 53.1716, 70.6662

Trichromacy



Original Color

46.4581, 53.0774, 61.8292

Protanomaly

49.0228, 52.7594, 59.8244

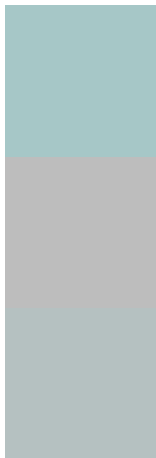
Deuteranomaly

50.9116, 52.6851, 62.7443

Tritanomaly

47.7277, 53.2671, 67.4406

Monochromacy



Original Color

46.4581, 53.0774, 61.8292

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.7517, 51.8139, 57.9364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4581, 53.0774, 61.8292 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(166, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(166, 199, 199)  
}
```

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(166, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 199, 199) }
```

Border

The CSS property to change the border of an element to XYZ 46.4581, 53.0774, 61.8292 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(166, 199, 199) }
```


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

```
.border{ border-color:rgb(166, 199, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(166, 199,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4581, 53.0774, 61.8292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 199, 199) }
```

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

```
.background{ background-color: rgb(166,  
199, 199) }
```

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