

# Converting Colors

XYZ(46.2481, 52.6578, 61.3537)

Have a look what the booklet for  
XYZ(46.2481, 52.6578, 61.3537)  
contains.

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# Color

**XYZ(46.1130, 52.5724,  
61.1431)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6C6C6
RGB	166, 198, 198
RGB Percent	65%, 78%, 78%
CMY	0.3490, 0.2235, 0.2235
CMYK	0.16, 0.00, 0.00, 0.22
HSL	180°, 22%, 71%
HSV	180°, 16%, 78%
XYZ	46.1130, 52.5724, 61.1431
YIQ	188.4320, -19.0720, -6.7840

# Conversions

## Conversions Part 2

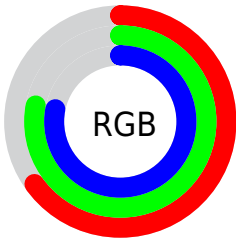
Format	Color
<a href="#">RYB</a>	<a href="#">166, 182, 198</a>
Decimal	<a href="#">10929862</a>
CIELab	<a href="#">77.62, -10.66, -3.59</a>
CIELCh	<a href="#">78, 11.245, 198.597</a>
Yxy	<a href="#">52.5724, 0.2885, 0.3289</a>
Android (android.graphics.Color)	<a href="#">4289119942 (0xFFA6C6C6)</a>
YUV	<a href="#">188.4320, 4.7170, -19.6729</a>
Hunter-Lab	<a href="#">72.5068, -13.3643, 0.7571</a>

# Details

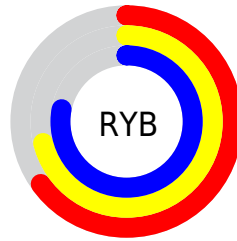
The XYZ color **46.1130, 52.5724, 61.1431** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.8098, 42.0328, 41.8828**, and the grayscale version is **48.0286, 50.5299, 55.0270**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **21.9467, 25.5375, 30.1581** is the 20% darker color. If you saturate the color by 10%, you get **42.2779, 50.5968, 60.9636**, and if you desaturate by 10%, it is **50.5901, 54.8818, 61.3548**.

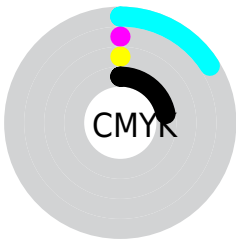
# Distribution



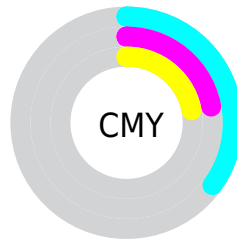
- Red (65%)
- Green (78%)
- Blue (78%)



- Red (65%)
- Yellow (71%)
- Blue (78%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1130, 52.5724, 61.1431 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 46.1130, 52.5724, 61.1431 by changing the saturation by 10% instead.





 46.1130, 52.5724,  
61.1431


 46.1130, 52.5724,  
61.1431


361.9711,  
396.6424, 446.7196

 32.5400, 37.4615,  
43.9094

 83.6149, 93.9749,  
108.0457

 21.9318, 25.5650,  
30.2626


 108.2745,  
121.0352, 138.5515

 13.9231, 16.4985,  
19.7842


137.3604,  
152.8476, 174.3186

 8.1486, 9.8776,  
12.0558

171.2379,  
189.7963, 215.7653

 4.2428, 5.3179,  
6.6587

210.2724,  
232.2657, 263.3102

 1.8404, 2.4350,  
3.1744

254.8291,

 0.5418, 0.8438,

280.6403, 317.3718

1.1844

305.2736,  
335.3044, 378.3688

■ 0.0000, 0.0000,  
0.0000

■ 46.1130, 52.5724,  
61.1431

■ 46.1130, 52.5724,  
61.1431

■ 42.2779, 50.5968,  
60.9636

■ 50.5901, 54.8818,  
61.3548

■ 39.0513, 48.9334,  
60.8115

■ 55.7321, 57.5326,  
61.5966

■ 36.4031, 47.5682,  
60.6865

■ 61.5660, 60.5401,  
61.8707

■ 34.2993, 46.4837,  
60.5870

■ 68.1163, 63.9168,  
62.1783

■ 32.7019, 45.6602,  
60.5111

■ 71.6293, 65.7278,  
62.3438

■ 31.5685, 45.0760,  
60.4570

■ 71.6295, 65.7279,  
62.3449

■ 30.8494, 44.7053,  
60.4222

■ 71.6297, 65.7280,  
62.3460

■ 30.4817, 44.5157,  
60.4039

■ 71.6299, 65.7281,  
62.3471

■ 30.3865, 44.4667,  
60.3990

■ 71.6301, 65.7281,  
62.3483

# Harmonies

## Analogous

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



45.9845, 52.5724, 54.9096



46.1130, 52.5724, 61.1431



47.2565, 52.5724, 66.6930

# Triad

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



46.1130, 52.5724, 61.1431



53.1677, 52.5724, 65.5244



50.7989, 52.5724, 46.2978

# Complementary

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



46.1130, 52.5724, 61.1431



43.8098, 42.0328, 41.8828

# 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.



52.7823, 52.5724, 48.7297



46.1130, 52.5724, 61.1431



54.1762, 52.5724, 59.6403

# Square

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



46.1130, 52.5724, 61.1431



51.3126, 52.5724, 69.3462



54.0331, 52.5724, 53.5112



48.6481, 52.5724, 46.6359



# Rectangle

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



46.1130, 52.5724, 61.1431



48.4596, 52.5724, 69.1188



54.0331, 52.5724, 53.5112



51.5084, 52.5724, 46.8109

# Sweetspot

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



46.1145, 52.5746, 61.1443



90.5136, 97.6614, 108.6867



42.9165, 51.3083, 43.7188



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.



46.1145, 52.5746, 61.1443



79.4159, 91.9404, 108.1646



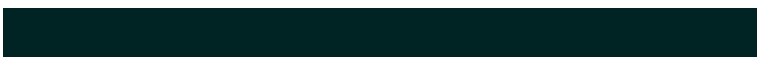
42.7578, 45.8606, 60.0271



10.9467, 12.0676, 13.6696



19.7602, 28.9164, 39.2773



0.9357, 1.3692, 1.8599



# Inverse Universe

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



43.8098, 42.0328, 41.8828



74.6520, 70.1511, 68.3522



46.7925, 47.9987, 42.8757



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 46.1130, 52.5724, 61.1431 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

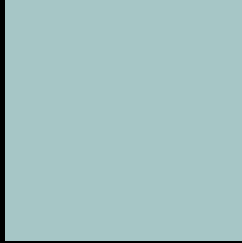
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.1130, 52.5724, 61.1431 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

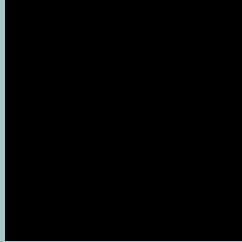
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 46.1130, 52.5724, 61.1431

## Background



This preview shows how black text looks on a background with the XYZ color 46.1130, 52.5724, 61.1431.



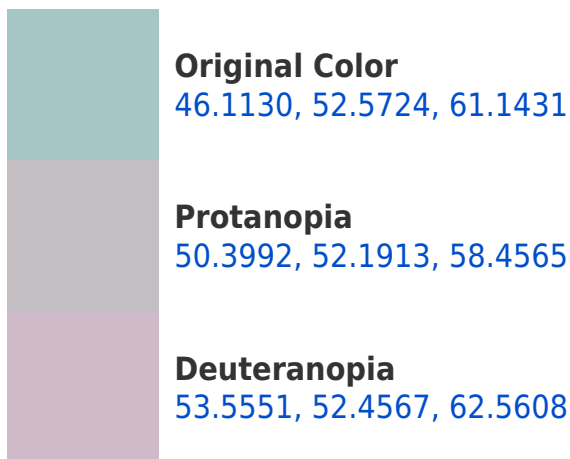
This preview shows how white text looks on a background with the XYZ color 46.1130, 52.5724,



# 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





## Tritanopia

47.9858, 52.6683, 69.9242

# Trichromacy



## Original Color

46.1130, 52.5724, 61.1431

## Protanomaly

48.6875, 52.2704, 59.1529

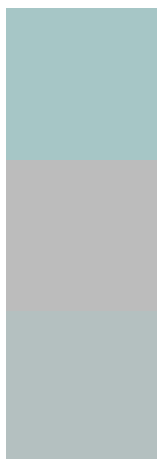
## Deuteranomaly

50.3246, 52.0734, 62.0424

## Tritanomaly

47.3772, 52.7623, 66.7186

# Monochromacy



## Original Color

46.1130, 52.5724, 61.1431

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

47.1865, 51.2083, 57.2664

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.1130, 52.5724, 61.1431 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, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 198, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 46.1130, 52.5724, 61.1431 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, 198, 198) }
```



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

```
.border{ border-color:rgb(166, 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(166, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(166, 198,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.1130, 52.5724, 61.1431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 198, 198) }
```

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

```
.background{ background-color: rgb(166,  
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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