

Converting Colors

XYZ(46.4312, 53.2120, 60.8693)

Have a look what the booklet for
XYZ(46.4312, 53.2120, 60.8693)
contains.

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Color

**XYZ(46.2274, 52.9851,
60.6140)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C7C5
RGB	166, 199, 197
RGB Percent	65%, 78%, 77%
CMY	0.3490, 0.2196, 0.2274
CMYK	0.17, 0.00, 0.01, 0.22
HSL	176°, 23%, 72%
HSV	176°, 17%, 78%
XYZ	46.2274, 52.9851, 60.6140
YIQ	188.9050, -19.0260, -7.6180

Conversions

Conversions Part 2

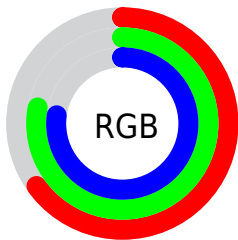
Format	Color
R_{YB}	166, 183, 199
Decimal	10930117
CIE _{Lab}	77.87, -11.39, -2.69
CIE _{LCh}	78, 11.699, 193.281
Yxy	52.9851, 0.2892, 0.3315
Android (android.graphics.Color)	4289120197 (0xFFA6C7C5)
YUV	188.9050, 3.9908, -20.0877
Hunter-Lab	72.7909, -14.0238, 1.5820

Details

The XYZ color **46.2274, 52.9851, 60.6140** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.2593, 42.2432, 42.8693**, and the grayscale version is **48.3025, 50.8179, 55.3407**.

A 20% lighter version of the original color is **83.4682, 94.0479, 107.5198**, and **22.0228, 25.8114, 29.8080** is the 20% darker color. If you saturate the color by 10%, you get **42.2369, 50.9452, 59.7088**, and if you desaturate by 10%, it is **50.8676, 55.3626, 61.5577**.

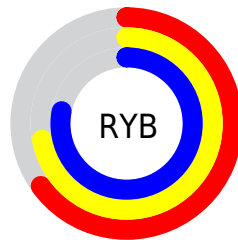
Distribution



Red (65%)

Green (78%)

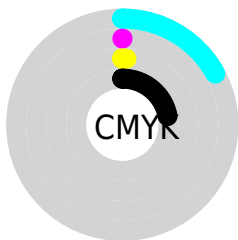
Blue (77%)



Red (65%)

Yellow (72%)

Blue (78%)

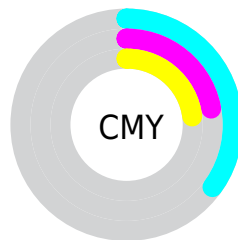


Cyan (17%)

Magenta (0%)

Yellow (1%)

Black (22%)



Cyan (35%)

Magenta (22%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2274, 52.9851, 60.6140 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 46.2274, 52.9851, 60.6140 by changing the saturation by 10% instead.


 46.2274, 52.9851,
60.6140


 46.2274, 52.9851,
60.6140


362.4228,
398.2280, 444.7246

 32.6307, 37.7909,
43.4852


 83.7850, 94.5824,
107.2719

 22.0016, 25.8204,
29.9318


 108.4766,
121.7544, 137.6381

 13.9747, 16.6893,
19.5352


137.5972,
153.6876, 173.2538

 8.1846, 10.0133,
11.8769

171.5122,
190.7666, 214.5377

 4.2661, 5.4077,
6.5384

210.5868,
233.3758, 261.9081

 1.8538, 2.4884,
3.1011

255.1866,

 0.5497, 0.8708,

281.8994, 315.7837

1.1465

305.6768,
336.7220, 376.5830

■ 0.0000, 0.0000,
0.0000

■ 46.2274, 52.9851,
60.6140

■ 46.2274, 52.9851,
60.6140

■ 42.2369, 50.9452,
59.7088

■ 50.8676, 55.3626,
61.5577

■ 38.8618, 49.2212,
58.8370

■ 56.1806, 58.0853,
62.5375

■ 36.0720, 47.7986,
57.9984

■ 62.1940, 61.1690,
63.5559

■ 33.8325, 46.6596,
57.1913

■ 68.9324, 64.6264,
64.6141

■ 32.1049, 45.7844,
56.4139

■ 72.4487, 66.4225,
65.5273

■ 30.8458, 45.1507,
55.6641

■ 72.5932, 66.4803,
66.2886

■ 30.0047, 44.7322,
54.9396

■ 72.7389, 66.5386,
67.0558

■ 29.5155, 44.4951,
54.2372

■ 72.8857, 66.5973,
67.8289

■ 29.3862, 44.4335,
54.0004

■ 73.0337, 66.6565,
68.6080

Harmonies

Analogous

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



46.2915, 52.9851, 54.1667



46.2274, 52.9851, 60.6140



47.2468, 52.9851, 66.7016

Triad

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



46.2274, 52.9851, 60.6140



53.4156, 52.9851, 67.2881



51.6280, 52.9851, 46.5195

Complementary

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



46.2274, 52.9851, 60.6140



44.2593, 42.2432, 42.8693

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.



53.6086, 52.9851, 49.5322



46.2274, 52.9851, 60.6140



54.6617, 52.9851, 61.3665

Square

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



46.2274, 52.9851, 60.6140



51.3710, 52.9851, 70.7457



54.7334, 52.9851, 54.8650



49.3638, 52.9851, 46.3513

Rectangle

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



46.2274, 52.9851, 60.6140



48.4219, 52.9851, 69.6046



54.7334, 52.9851, 54.8650



52.3507, 52.9851, 47.2222

Sweetspot

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



46.2289, 52.9873, 60.6152



90.3895, 97.6118, 108.0329



43.4991, 51.9491, 43.8119



19.2121, 20.8238, 23.0977



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.



46.2289, 52.9873, 60.6152



78.2174, 91.3796, 105.5320



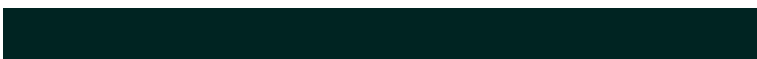
43.3226, 46.8049, 60.7863



10.9178, 12.0560, 13.5175



18.9070, 28.5752, 34.7842



0.9039, 1.3565, 1.6925

Inverse Universe

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



44.2593, 42.2432, 42.8693



74.1070, 68.9554, 68.4963



46.8199, 47.6609, 42.8092



10.6595, 10.6472, 11.1904



15.1995, 7.8294, 0.9945



0.7290, 0.3744, 0.0961

Previews

White Background



This preview shows how the XYZ color 46.2274, 52.9851, 60.6140 looks on a white background.

Color Contrast Check

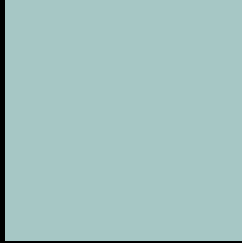
Large Text (above 18pt) WCAG AA × Fail

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 46.2274, 52.9851, 60.6140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

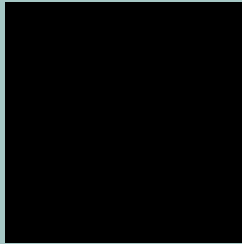
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2274, 52.9851, 60.6140

Background



This preview shows how black text looks on a background with the XYZ color 46.2274, 52.9851, 60.6140.



This preview shows how white text looks on a background with the XYZ color 46.2274, 52.9851,

60.6140.

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

46.2274, 52.9851, 60.6140

Protanopia

50.6509, 52.6695, 57.3658

Deuteranopia

53.7164, 52.5533, 61.9562



Tritanopia

48.2121, 53.1210, 69.9997

Trichromacy



Original Color

46.2274, 52.9851, 60.6140

Protanomaly

48.7966, 52.6690, 58.6332

Deuteranomaly

50.6778, 52.5916, 61.5130

Tritanomaly

47.6050, 53.2180, 66.7945

Monochromacy



Original Color

46.2274, 52.9851, 60.6140

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.6404, 51.7695, 57.3508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2274, 52.9851, 60.6140 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(166, 199, 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(166, 199, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 199, 197) }
```

Border

The CSS property to change the border of an element to XYZ 46.2274, 52.9851, 60.6140 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, 197) }
```


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

```
.border{ border-color:rgb(166, 199, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 199, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 199, 197);  
box-shadow:4px 4px 4px 4px rgb(166, 199,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2274, 52.9851, 60.6140 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, 197) }
```

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

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

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