

Converting Colors

XYZ(46.4975, 58.2741, 31.9666)

Have a look what the booklet for
XYZ(46.4975, 58.2741, 31.9666)
contains.

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Color

**XYZ(46.5778, 58.4482,
32.1193)**

Conversions

Conversions Part 1

Format	Color
Hex	B3D488
RGB	179, 212, 136
RGB Percent	70%, 83%, 53%
CMY	0.2980, 0.1686, 0.4667
CMYK	0.16, 0.00, 0.36, 0.17
HSL	86°, 47%, 68%
HSV	86°, 36%, 83%
XYZ	46.5778, 58.4482, 32.1193
YIQ	193.4690, 4.7280, -30.6320

Conversions

Conversions Part 2

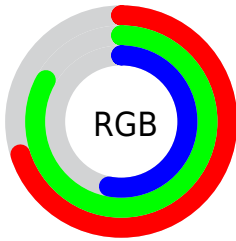
Format	Color
RYB	136, 212, 169
Decimal	11785352
CIELab	80.99, -23.85, 34.08
CIElCh	81, 41.598, 124.982
Yxy	58.4482, 0.3396, 0.4262
Android (android.graphics.Color)	4289975432 (0xFFB3D488)
YUV	193.4690, -28.3322, -12.6893
Hunter-Lab	76.4514, -25.0394, 28.6067

Details

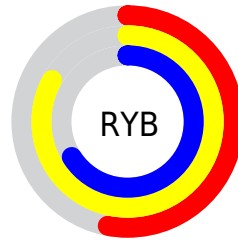
The XYZ color **46.5778, 58.4482, 32.1193** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.0524, 30.7985, 66.2824**, and the grayscale version is **51.1257, 53.7883, 58.5754**.

A 20% lighter version of the original color is **79.6463, 93.0706, 62.4818**, and **22.1541, 29.1298, 13.0493** is the 20% darker color. If you saturate the color by 10%, you get **43.1608, 56.8457, 24.8574**, and if you desaturate by 10%, it is **50.4378, 60.2483, 40.9599**.

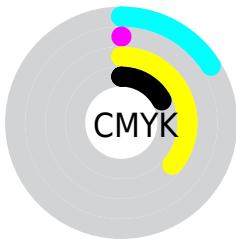
Distribution



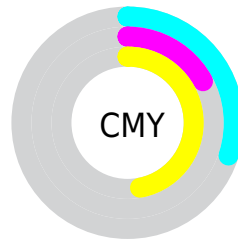
- Red (70%)
- Green (83%)
- Blue (53%)



- Red (53%)
- Yellow (83%)
- Blue (66%)



- Cyan (16%)
- Magenta (0%)
- Yellow (36%)
- Black (17%)




- Cyan (30%)
- Magenta (17%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5778, 58.4482, 32.1193 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 46.5778, 58.4482, 32.1193 by changing the saturation by 10% instead.


 46.5778, 58.4482,
32.1193

 46.5778, 58.4482,
32.1193


363.8039,
418.8540, 326.1718


 32.9086, 42.1691,
21.1871


 84.3057, 102.5753,
64.0981

 22.2153, 29.2337,
13.0682


 109.0950,
131.1920, 85.9818

 14.1327, 19.2577,
7.3443


 138.3217,
164.6900, 112.3531

 8.2953, 11.8566,
3.5966

172.3512,
203.4538, 143.6305

 4.3379, 6.6461,
1.4068

211.5488,
247.8677, 180.2325

 1.8950, 3.2418,
0.1470

256.2799,

 0.5739, 1.2592,

298.3161, 222.5777

0.0000

306.9098,
355.1834, 271.0846

■ 0.0000, 0.1093,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.5778, 58.4482,
32.1193

■ 46.5778, 58.4482,
32.1193

■ 43.1608, 56.8457,
24.8574

■ 50.4378, 60.2483,
40.9599

■ 40.1622, 55.4247,
19.0774

■ 54.7554, 62.2461,
51.4609

■ 37.5609, 54.1783,
14.6775

■ 59.5497, 64.4517,
63.7029

■ 35.3320, 53.0964,
11.5416

■ 64.8373, 66.8719,
77.7602

■ 33.4469, 52.1671,
9.5347

■ 70.6339, 69.5132,
93.7027

■ 31.8707, 51.3760,
8.4895

■ 75.6049, 71.8423,
104.4899

■ 31.2822, 51.0782,
8.2103

■ 78.7107, 73.4434,
104.6352

■ 81.9760, 75.1267,
104.7880

■ 82.8347, 75.5694,
104.8282

Harmonies

Analogous

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



54.1256, 58.4482, 27.0828



46.5778, 58.4482, 32.1193



41.8401, 58.4482, 45.5936

Triad

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



46.5778, 58.4482, 32.1193



48.8310, 58.4482, 117.1082



73.7659, 58.4482, 59.6044

Complementary

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



46.5778, 58.4482, 32.1193



37.0524, 30.7985, 66.2824

Split Complementary

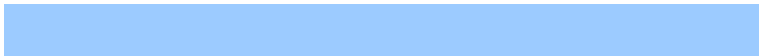
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.9764, 58.4482, 85.9128



46.5778, 58.4482, 32.1193



57.0058, 58.4482, 123.6486

Square

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



46.5778, 58.4482, 32.1193



43.0435, 58.4482, 94.9370



65.6135, 58.4482, 111.0236



70.2785, 58.4482, 40.1100

Rectangle

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



46.5778, 58.4482, 32.1193



40.6168, 58.4482, 59.5754



65.6135, 58.4482, 111.0236



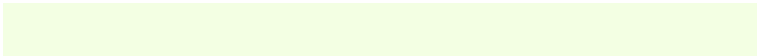
73.7647, 58.4482, 67.8857

Sweetspot

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



46.5793, 58.4508, 32.1206



86.5180, 96.0858, 86.6233



45.7731, 44.1278, 29.3984



18.3069, 20.4690, 18.0033



0.0000, 0.0000, 0.0000



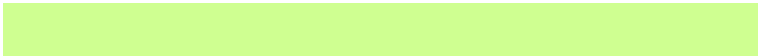
20.3446, 21.4041, 23.3091

Same Dimension

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



46.5793, 58.4508, 32.1206



66.7374, 86.8959, 40.1849



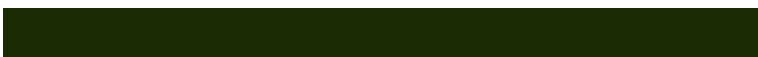
38.9851, 54.5358, 31.7652



12.9280, 14.2391, 13.2277



19.4279, 31.5918, 5.0739



1.2659, 1.9540, 0.3104

Inverse Universe

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



37.0524, 30.7985, 66.2824



50.2126, 38.9109, 99.4718



46.4036, 35.6192, 66.7200



12.2491, 12.2698, 15.6602



10.1753, 4.3981, 38.7658



0.7077, 0.3137, 2.3426

Previews

White Background



This preview shows how the XYZ color 46.5778, 58.4482, 32.1193 looks on a white background.

Color Contrast Check

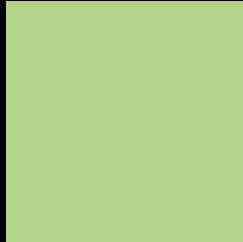
Large Text (above 18pt) WCAG AA × Fail

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 46.5778, 58.4482, 32.1193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

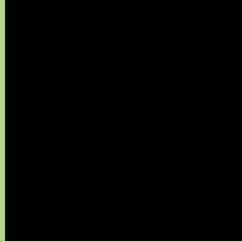
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5778, 58.4482, 32.1193

Background



This preview shows how black text looks on a background with the XYZ color 46.5778, 58.4482, 32.1193.



This preview shows how white text looks on a background with the XYZ color 46.5778, 58.4482,

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

46.5778, 58.4482, 32.1193

Protanopia

53.8968, 58.3174, 29.8884

Deuteranopia

59.1799, 57.9434, 32.8760



Tritanopia

55.2613, 58.3794, 74.6854

Trichromacy



Original Color

46.5778, 58.4482, 32.1193

Protanomaly

50.9668, 58.1935, 30.7365

Deuteranomaly

53.6989, 57.4626, 32.6873

Tritanomaly

51.6419, 58.3382, 56.1155

Monochromacy



Original Color

46.5778, 58.4482, 32.1193

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

48.8397, 54.9785, 47.0675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5778, 58.4482, 32.1193 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(179, 212, 136)` looks like.

```
.text, #text, p{  
    color:rgb(179, 212, 136)  
}
```

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(179, 212, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 212, 136) }
```

Border

The CSS property to change the border of an element to XYZ 46.5778, 58.4482, 32.1193 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(179, 212, 136) }
```


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

```
.border{ border-color:rgb(179, 212, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 212, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 212, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 212, 136);  
box-shadow:4px 4px 4px 4px rgb(179, 212,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5778, 58.4482, 32.1193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 212, 136) }
```

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

```
.background{ background-color: rgb(179,  
212, 136) }
```

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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