

Converting Colors

XYZ(46.7376, 58.3409, 34.2942)

Have a look what the booklet for
XYZ(46.7376, 58.3409, 34.2942)
contains.

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Color

**XYZ(46.7861, 58.5049,
34.4179)**

Conversions

Conversions Part 1

Format	Color
Hex	B2D48E
RGB	178, 212, 142
RGB Percent	70%, 83%, 56%
CMY	0.3020, 0.1686, 0.4431
CMYK	0.16, 0.00, 0.33, 0.17
HSL	89°, 45%, 69%
HSV	89°, 33%, 83%
XYZ	46.7861, 58.5049, 34.4179
YIQ	193.8540, 2.2060, -28.9780

Conversions

Conversions Part 2

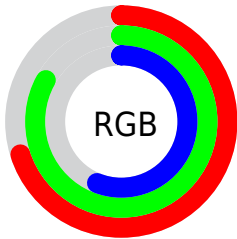
Format	Color
RYB	142, 212, 176
Decimal	11719822
CIELab	81.02, -23.40, 31.03
CIElCh	81, 38.865, 127.014
Yxy	58.5049, 0.3349, 0.4188
Android (android.graphics.Color)	4289909902 (0xFFB2D48E)
YUV	193.8540, -25.5640, -13.9040
Hunter-Lab	76.4885, -24.6709, 26.8629

Details

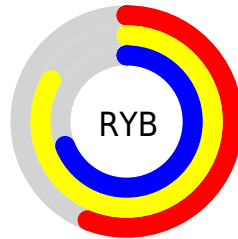
The XYZ color **46.7861, 58.5049, 34.4179** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.4635, 33.3312, 66.6441**, and the grayscale version is **51.3386, 54.0122, 58.8193**.

A 20% lighter version of the original color is **79.6555, 92.9979, 65.9767**, and **22.2575, 29.1544, 14.3518** is the 20% darker color. If you saturate the color by 10%, you get **43.0689, 56.7572, 26.7107**, and if you desaturate by 10%, it is **50.9865, 60.4703, 43.7303**.

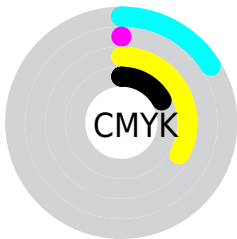
Distribution



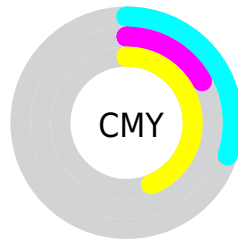
- Red (70%)
- Green (83%)
- Blue (56%)



- Red (56%)
- Yellow (83%)
- Blue (69%)



- Cyan (16%)
- Magenta (0%)
- Yellow (33%)
- Black (17%)





- Cyan (30%)
- Magenta (17%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7861, 58.5049, 34.4179 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 46.7861, 58.5049, 34.4179 by changing the saturation by 10% instead.


 46.7861, 58.5049,
34.4179

 46.7861, 58.5049,
34.4179


364.6233,
419.0647, 336.8173

 33.0738, 42.2147,
22.9349


 84.6149, 102.6577,
67.7243

 22.3425, 29.2694,
14.3406


 109.4622,
131.2892, 90.3848

 14.2268, 19.2847,
8.2165


138.7519,
164.8031, 117.6082

 8.3613, 11.8762,
4.1440

172.8493,
203.5840, 149.8130

 4.3808, 6.6594,
1.7047

212.1197,
248.0162, 187.4177

 1.9197, 3.2500,
0.3639

256.9287,

 0.5883, 1.2636,

298.4841, 230.8410

0.0000

307.6414,
355.3722, 280.5014

■ 0.0000, 0.1128,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.7861, 58.5049,
34.4179

■ 46.7861, 58.5049,
34.4179

■ 43.0689, 56.7572,
26.7107

■ 50.9865, 60.4703,
43.7303

■ 39.8093, 55.2106,
20.5142

■ 55.6852, 62.6540,
54.7278

■ 36.9859, 53.8580,
15.7296

■ 60.9020, 65.0664,
67.4896

■ 34.5733, 52.6889,
12.2449

■ 66.6545, 67.7147,
82.0886

■ 32.5426, 51.6912,
9.9313

■ 72.9589, 70.6060,
98.5936

■ 30.8601, 50.8508,
8.6332

■ 77.4586, 72.7979,
104.5766

■ 29.8541, 50.3420,
8.1435

■ 81.0506, 74.6496,
104.7447

■ 82.8347, 75.5693,
104.8282

Harmonies

Analogous

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



53.7354, 58.5049, 29.0134



46.7861, 58.5049, 34.4179



42.5205, 58.5049, 47.8879

Triad

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



46.7861, 58.5049, 34.4179



49.7697, 58.5049, 113.9455



72.4583, 58.5049, 58.4325

Complementary

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



46.7861, 58.5049, 34.4179



39.4635, 33.3312, 66.6441

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.



71.1362, 58.5049, 82.6625



46.7861, 58.5049, 34.4179



57.5218, 58.5049, 118.7162

Square

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



46.7861, 58.5049, 34.4179



44.1233, 58.5049, 94.3456



65.4726, 58.5049, 106.1415



68.9285, 58.5049, 40.5359

Rectangle

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



46.7861, 58.5049, 34.4179



41.5167, 58.5049, 61.4165



65.4726, 58.5049, 106.1415



72.5716, 58.5049, 66.0433

Sweetspot

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



46.7876, 58.5075, 34.4192



86.8016, 96.1911, 88.4871



47.5287, 46.9375, 32.1469



18.3451, 20.4805, 18.3739



0.0000, 0.0000, 0.0000



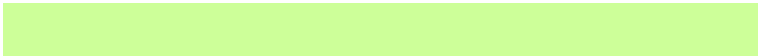
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7876, 58.5075, 34.4192



66.8118, 86.8636, 43.3820



39.7843, 54.8971, 34.0914



12.8653, 14.2068, 13.2248



18.5458, 31.1370, 5.0326



1.2140, 1.9272, 0.3080

Inverse Universe

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



39.4635, 33.3312, 66.6441



53.9466, 42.6354, 99.9939



48.3752, 37.9253, 67.0611



12.3111, 12.3018, 15.6631



10.9029, 4.7731, 38.7998



0.7530, 0.3371, 2.3447

Previews

White Background



This preview shows how the XYZ color 46.7861, 58.5049, 34.4179 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 46.7861, 58.5049, 34.4179 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 46.7861, 58.5049, 34.4179

Background



This preview shows how black text looks on a background with the XYZ color 46.7861, 58.5049, 34.4179.



This preview shows how white text looks on a background with the XYZ color 46.7861, 58.5049,

34.4179.

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

46.7861, 58.5049, 34.4179

Protanopia

54.0173, 58.3311, 32.0789

Deuteranopia

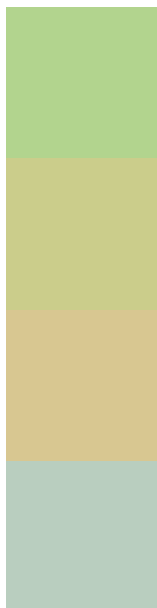
59.2978, 57.9517, 35.2546



Tritanopia

54.8930, 58.1743, 75.3534

Trichromacy



Original Color

46.7861, 58.5049, 34.4179

Protanomaly

51.1201, 58.2232, 32.9700

Deuteranomaly

53.8532, 57.4901, 35.0464

Tritanomaly

51.4829, 58.2185, 57.8141

Monochromacy



Original Color

46.7861, 58.5049, 34.4179

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.3635, 55.5598, 48.6798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7861, 58.5049, 34.4179 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(178, 212, 142)` looks like.

```
.text, #text, p{  
    color:rgb(178, 212, 142)  
}
```

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(178, 212, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 212, 142) }
```

Border

The CSS property to change the border of an element to XYZ 46.7861, 58.5049, 34.4179 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(178, 212, 142) }
```


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

```
.border{ border-color:rgb(178, 212, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 212, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 212, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 212, 142);  
box-shadow:4px 4px 4px 4px rgb(178, 212,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7861, 58.5049, 34.4179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 212, 142) }
```

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

```
.background{ background-color: rgb(178,  
212, 142) }
```

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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