

Converting Colors

XYZ(46.5154, 58.6466, 41.0543)

Have a look what the booklet for
XYZ(46.5154, 58.6466, 41.0543)
contains.

XYZ(46.5434, 58.6032, 41.2062)	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(46.5434, 58.6032,
41.2062)**

Conversions

Conversions Part 1

Format	Color
Hex	AAD59E
RGB	170, 213, 158
RGB Percent	67%, 84%, 62%
CMY	0.3333, 0.1647, 0.3804
CMYK	0.20, 0.00, 0.26, 0.16
HSL	107°, 40%, 73%
HSV	107°, 26%, 84%
XYZ	46.5434, 58.6032, 41.2062
YIQ	193.8730, -7.9730, -26.2210

Conversions

Conversions Part 2

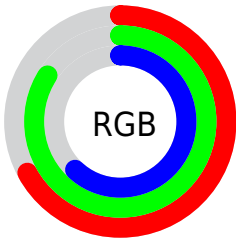
Format	Color
RYB	158, 213, 201
Decimal	11195806
CIELab	81.07, -24.31, 22.70
CIELCh	81, 33.266, 136.965
Yxy	58.6032, 0.3180, 0.4004
Android (android.graphics.Color)	4289385886 (0xFFAAD59E)
YUV	193.8730, -17.6854, -20.9366
Hunter-Lab	76.5527, -25.4408, 21.6728

Details

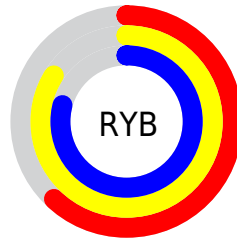
The XYZ color **46.5434, 58.6032, 41.2062** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.3269, 41.6770, 68.4513**, and the grayscale version is **51.3091, 53.9811, 58.7854**.

A 20% lighter version of the original color is **79.1343, 92.4928, 76.6329**, and **22.1645, 29.2762, 18.1184** is the 20% darker color. If you saturate the color by 10%, you get **41.4919, 56.1946, 32.2146**, and if you desaturate by 10%, it is **52.3719, 61.3791, 51.8954**.

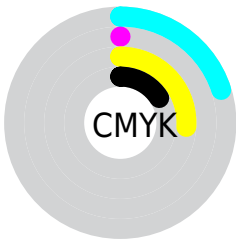
Distribution



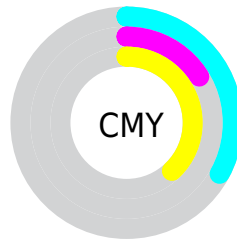
- Red (67%)
- Green (84%)
- Blue (62%)



- Red (62%)
- Yellow (84%)
- Blue (79%)



- Cyan (20%)
- Magenta (0%)
- Yellow (26%)
- Black (16%)





- Cyan (33%)
- Magenta (16%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5434, 58.6032, 41.2062 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 46.5434, 58.6032, 41.2062 by changing the saturation by 10% instead.


 46.5434, 58.6032,
41.2062

 46.5434, 58.6032,
41.2062


363.6684,
419.4299, 366.8838

 32.8813, 42.2938,
28.1593


 84.2546, 102.8007,
78.2539

 22.1943, 29.3314,
18.2057


 109.0343,
131.4576, 103.0918

 14.1171, 19.3317,
10.9268


138.2506,
164.9992, 132.6971

 8.2844, 11.9102,
5.9041

172.2689,
203.8097, 167.4883

 4.3308, 6.6825,
2.7190

211.4544,
248.2736, 207.8841

 1.8909, 3.2644,
0.9530

256.1727,

 0.5716, 1.2713,

298.7754, 254.3029

0.0000

306.7889,
355.6993, 307.1633

■ 0.0000, 0.1188,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.5434, 58.6032,
41.2062

■ 46.5434, 58.6032,
41.2062

■ 41.4919, 56.1946,
32.2146

■ 52.3719, 61.3791,
51.8954

■ 37.1794, 54.1304,
24.8296

■ 59.0041, 64.5291,
64.3592

■ 33.5716, 52.3967,
18.9575

■ 66.4710, 68.0693,
78.6746

■ 30.6293, 50.9757,
14.4936

■ 74.8008, 72.0127,
94.9129

■ 28.3096, 49.8477,
11.3195

■ 82.4516, 75.7441,
104.8821

■ 26.5638, 48.9906,
9.2978

■ 83.0854, 76.0709,
104.9118

■ 25.3348, 48.3788,
8.2583

■ 24.9433, 48.1826,
7.9855

Harmonies

Analogous

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



51.9134, 58.6032, 33.8970



46.5434, 58.6032, 41.2062



43.7344, 58.6032, 55.6063

Triad

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



46.5434, 58.6032, 41.2062



52.7575, 58.6032, 108.5169



69.3984, 58.6032, 53.3386

Complementary

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



46.5434, 58.6032, 41.2062



48.3269, 41.6770, 68.4513

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.



69.6717, 58.6032, 72.7810



46.5434, 58.6032, 41.2062



59.6676, 58.6032, 107.5577

Square

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



46.5434, 58.6032, 41.2062



47.1172, 58.6032, 95.8551



65.9864, 58.6032, 93.4557



65.2678, 58.6032, 39.8432

Rectangle

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



46.5434, 58.6032, 41.2062



43.5268, 58.6032, 68.5346



65.9864, 58.6032, 93.4557



69.9557, 58.6032, 59.3056

Sweetspot

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



46.5449, 58.6057, 41.2075



86.3113, 95.8545, 92.2473



54.3075, 58.0032, 40.6821



18.1420, 20.3591, 19.1178



0.0000, 0.0000, 0.0000



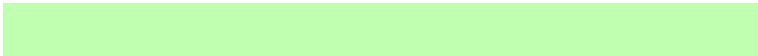
20.3446, 21.4041, 23.3091

Same Dimension

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



46.5449, 58.6057, 41.2075



65.6336, 86.0157, 54.1918



45.4072, 57.8645, 48.1434



12.5132, 14.0253, 13.2083



15.3073, 29.4675, 4.8810



0.9950, 1.8143, 0.2978

Inverse Universe

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



48.3269, 41.6770, 68.4513



68.7432, 56.3858, 101.8681



49.9011, 42.6940, 59.2410



12.6756, 12.4897, 15.6802



17.1009, 7.9683, 39.0899



1.0987, 0.5153, 2.3609

Previews

White Background



This preview shows how the XYZ color 46.5434, 58.6032, 41.2062 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 46.5434, 58.6032, 41.2062 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 46.5434, 58.6032, 41.2062

Background



This preview shows how black text looks on a background with the XYZ color 46.5434, 58.6032, 41.2062.



This preview shows how white text looks on a background with the XYZ color 46.5434, 58.6032,

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

46.5434, 58.6032, 41.2062

Protanopia

54.5785, 58.4874, 38.1184

Deuteranopia

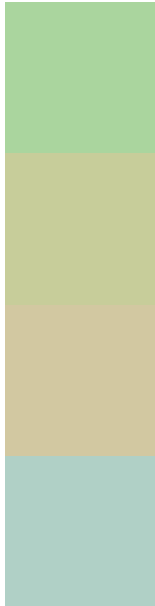
59.1958, 58.0722, 42.2715



Tritanopia

53.7049, 58.5864, 76.8844

Trichromacy



Original Color

46.5434, 58.6032, 41.2062

Protanomaly

51.2172, 58.1379, 39.0941

Deuteranomaly

53.6656, 57.5834, 42.0044

Tritanomaly

50.6534, 58.4191, 62.0324

Monochromacy



Original Color

46.5434, 58.6032, 41.2062

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.2347, 55.4238, 51.8190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5434, 58.6032, 41.2062 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(170, 213, 158)` looks like.

```
.text, #text, p{  
    color:rgb(170, 213, 158)  
}
```

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(170, 213, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 213, 158) }
```

Border

The CSS property to change the border of an element to XYZ 46.5434, 58.6032, 41.2062 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(170, 213, 158) }
```


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

```
.border{ border-color:rgb(170, 213, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 213, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 213, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 213, 158);  
box-shadow:4px 4px 4px 4px rgb(170, 213,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5434, 58.6032, 41.2062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 213, 158) }
```

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

```
.background{ background-color: rgb(170,  
213, 158) }
```

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