

Converting Colors

XYZ(50.6886, 59.1018, 46.9305)

Have a look what the booklet for
XYZ(50.6886, 59.1018, 46.9305)
contains.

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Color

**XYZ(50.7952, 59.1946,
46.7787)**

Conversions

Conversions Part 1

Format	Color
Hex	BCD1AA
RGB	188, 209, 170
RGB Percent	74%, 82%, 67%
CMY	0.2627, 0.1804, 0.3333
CMYK	0.10, 0.00, 0.19, 0.18
HSL	92°, 30%, 74%
HSV	92°, 19%, 82%
XYZ	50.7952, 59.1946, 46.7787
YIQ	198.2750, 0.0030, -16.5810

Conversions

Conversions Part 2

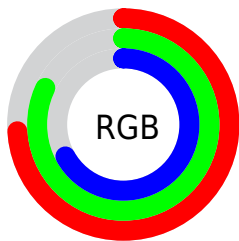
Format	Color
RYB	170, 209, 191
Decimal	12374442
CIELab	81.40, -14.07, 17.02
CIELCh	81, 22.076, 129.577
Yxy	59.1946, 0.3240, 0.3776
Android (android.graphics.Color)	4290564522 (0xFFBCD1AA)
YUV	198.2750, -13.9396, -9.0112
Hunter-Lab	76.9380, -16.7942, 17.8080

Details

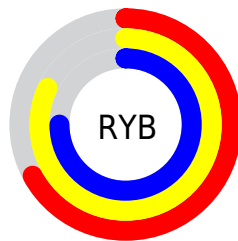
The XYZ color **50.7952, 59.1946, 46.7787** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.3716, 44.4309, 66.4041**, and the grayscale version is **53.9273, 56.7357, 61.7852**.

A 20% lighter version of the original color is **86.6588, 96.1893, 85.2332**, and **24.8229, 29.8190, 21.5869** is the 20% darker color. If you saturate the color by 10%, you get **46.3081, 57.0938, 37.0557**, and if you desaturate by 10%, it is **55.8161, 61.5378, 58.1700**.

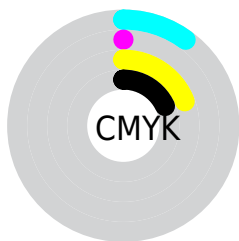
Distribution



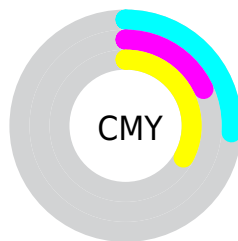
- Red (74%)
- Green (82%)
- Blue (67%)



- Red (67%)
- Yellow (82%)
- Blue (75%)



- Cyan (10%)
- Magenta (0%)
- Yellow (19%)
- Black (18%)



- Cyan (26%)
- Magenta (18%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7952, 59.1946, 46.7787 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 50.7952, 59.1946, 46.7787 by changing the saturation by 10% instead.

■ 50.7952, 59.1946,
46.7787

■ 50.7952, 59.1946,
46.7787

380.1684,
421.6227, 390.2987

■ 36.2660, 42.7698,
32.5077

■ 90.5368, 103.6604,
86.7297

■ 24.8108, 29.7045,
21.4815

116.4799,
132.4703, 113.2468

■ 16.0641, 19.6144,
13.2818

146.9583,
166.1772, 144.6829

■ 9.6607, 12.1151,
7.4899

182.3375,
205.1657, 181.4566

■ 5.2351, 6.8221,
3.6872

222.9827,
249.8201, 223.9866

■ 2.4220, 3.3511,
1.4554

269.2594,

■ 0.8561, 1.3177,

300.5248, 272.6912

0.1844

321.5328,
357.6642, 327.9890

■ 0.0000, 0.1548,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.7952, 59.1946,
46.7787

■ 50.7952, 59.1946,
46.7787

■ 46.3081, 57.0938,
37.0557

■ 55.8161, 61.5378,
58.1700

■ 42.3304, 55.2191,
28.9187

■ 61.3847, 64.1237,
71.2987

■ 38.8425, 53.5643,
22.2846

■ 67.5202, 66.9624,
86.2350

■ 35.8216, 52.1195,
17.0608

■ 74.2392, 70.0612,
103.0439

■ 33.2429, 50.8741,
13.1448

■ 78.2564, 72.1062,
104.4011

■ 31.0785, 49.8164,
10.4198

■ 82.0917, 74.0834,
104.5806

■ 29.2963, 48.9328,
8.7487

■ 27.8494, 48.2038,
7.9168

■ 27.6731, 48.1147,
7.8285

Harmonies

Analogous

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



54.7989, 59.1946, 42.4967



50.7952, 59.1946, 46.7787



48.3481, 59.1946, 55.9836

Triad

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



50.7952, 59.1946, 46.7787



53.2220, 59.1946, 91.3296



65.4763, 59.1946, 60.3156

Complementary

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



50.7952, 59.1946, 46.7787



47.3716, 44.4309, 66.4041

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.



64.9971, 59.1946, 73.7359



50.7952, 59.1946, 46.7787



57.7523, 59.1946, 92.9074

Square

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



50.7952, 59.1946, 46.7787



49.6951, 59.1946, 82.0422



62.1091, 59.1946, 86.0975



63.3848, 59.1946, 49.5764

Rectangle

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



50.7952, 59.1946, 46.7787



47.8458, 59.1946, 64.2654



62.1091, 59.1946, 86.0975



65.6130, 59.1946, 64.6407

Sweetspot

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



50.7968, 59.1972, 46.7800



89.7170, 97.5241, 96.3001



52.1397, 53.6343, 45.6355



19.0830, 20.8183, 20.3318



0.0000, 0.0000, 0.0000



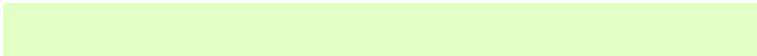
20.3446, 21.4041, 23.3091

Same Dimension

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



50.7968, 59.1972, 46.7800



77.0427, 91.6125, 67.5944



46.7591, 57.1014, 47.2363



12.1673, 13.4697, 12.5707



17.1727, 29.7218, 4.8318



1.0513, 1.7088, 0.2744

Inverse Universe

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



47.3716, 44.4309, 66.4041



70.7990, 64.6971, 103.3640



52.0198, 46.8457, 65.7847



11.7631, 11.7267, 14.8872



11.3742, 5.0439, 37.5666



0.7270, 0.3290, 2.1047

Previews

White Background



This preview shows how the XYZ color 50.7952, 59.1946, 46.7787 looks on a white background.

Color Contrast Check

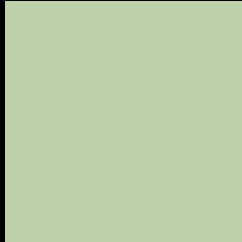
Large Text (above 18pt) WCAG AA × Fail

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 50.7952, 59.1946, 46.7787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

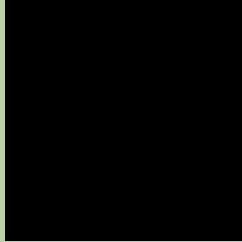
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7952, 59.1946, 46.7787

Background



This preview shows how black text looks on a background with the XYZ color 50.7952, 59.1946, 46.7787.



This preview shows how white text looks on a background with the XYZ color 50.7952, 59.1946,

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

50.7952, 59.1946, 46.7787

Protanopia

55.5011, 58.8226, 44.5051

Deuteranopia

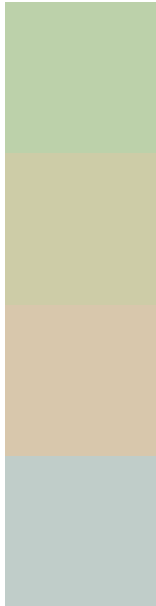
60.1133, 58.7565, 47.7080



Tritanopia

56.2811, 58.9051, 74.7332

Trichromacy



Original Color

50.7952, 59.1946, 46.7787

Protanomaly

53.7448, 58.9549, 45.1060

Deuteranomaly

56.1887, 58.4243, 47.3453

Tritanomaly

54.1122, 59.0862, 63.8111

Monochromacy



Original Color

50.7952, 59.1946, 46.7787

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.4458, 57.3412, 55.8807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7952, 59.1946, 46.7787 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(188, 209, 170)` looks like.

```
.text, #text, p{  
    color:rgb(188, 209, 170)  
}
```

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(188, 209, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 209, 170) }
```

Border

The CSS property to change the border of an element to XYZ 50.7952, 59.1946, 46.7787 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(188, 209, 170) }
```


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

```
.border{ border-color:rgb(188, 209, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 209, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 209, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 209, 170);  
box-shadow:4px 4px 4px 4px rgb(188, 209,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7952, 59.1946, 46.7787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 209, 170) }
```

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

```
.background{ background-color: rgb(188,  
209, 170) }
```

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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