

Converting Colors

XYZ(46.3538, 50.4293, 19.5788)

Have a look what the booklet for
XYZ(46.3538, 50.4293, 19.5788)
contains.

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Color

**XYZ(46.3446, 50.3159,
19.5812)**

Conversions

Conversions Part 1

Format	Color
Hex	D0BC65
RGB	208, 188, 101
RGB Percent	82%, 74%, 40%
CMY	0.1843, 0.2627, 0.6039
CMYK	0.00, 0.10, 0.51, 0.18
HSL	49°, 53%, 61%
HSV	49°, 51%, 82%
XYZ	46.3446, 50.3159, 19.5812
YIQ	184.0620, 39.8470, -22.8170

Conversions

Conversions Part 2

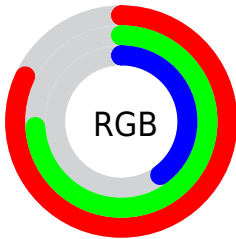
Format	Color
RYB	126, 208, 101
Decimal	13679717
CIELab	76.26, -4.14, 46.18
CIELCh	76, 46.369, 95.126
Yxy	50.3159, 0.3987, 0.4329
Android (android.graphics.Color)	4291869797 (0xFFD0BC65)
YUV	184.0620, -40.9496, 20.9936
Hunter-Lab	70.9337, -7.5108, 33.2866

Details

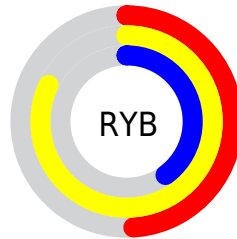
The XYZ color **46.3446, 50.3159, 19.5812** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.5892, 20.9948, 62.4834**, and the grayscale version is **45.7991, 48.1842, 52.4726**.

A 20% lighter version of the original color is **79.4234, 88.2945, 43.4283**, and **22.0022, 24.1375, 6.5170** is the 20% darker color. If you saturate the color by 10%, you get **44.6329, 48.3223, 14.6034**, and if you desaturate by 10%, it is **48.3389, 52.4621, 25.9267**.

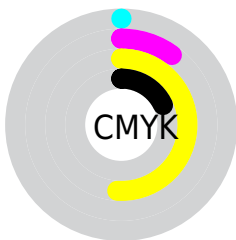
Distribution



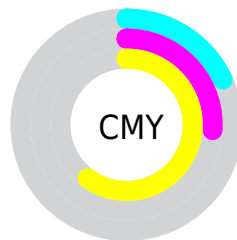
- Red (82%)
- Green (74%)
- Blue (40%)



- Red (49%)
- Yellow (82%)
- Blue (40%)



- Cyan (0%)
- Magenta (10%)
- Yellow (51%)
- Black (18%)




- Cyan (18%)
- Magenta (26%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3446, 50.3159, 19.5812 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 46.3446, 50.3159, 19.5812 by changing the saturation by 10% instead.


 46.3446, 50.3159,
19.5812

 46.3446, 50.3159,
19.5812


362.8851,
387.9000, 262.1676

 32.7236, 35.6645,
11.9099


 83.9592, 90.6428,
43.5636


 22.0730, 24.1752,
6.5606


 108.6835,
117.0870, 60.7118

 14.0275, 15.4636,
3.1146


 137.8397,
148.2309, 81.8561

 8.2216, 9.1454,
1.1534

 171.7930,
184.4589, 107.4151

 4.2901, 4.8361,
0.0000

210.9088,
226.1554, 137.8071

 1.8675, 2.1514,
0.0000

255.5525,

 0.5578, 0.6933,

273.7049, 173.4509

0.0000

306.0895,
327.4916, 214.7649

■ 0.0000, 0.0000,
0.0000

■ 46.3446, 50.3159,
19.5812

■ 46.3446, 50.3159,
19.5812

■ 44.6329, 48.3223,
14.6034

■ 48.3389, 52.4621,
25.9267

■ 43.1803, 46.4660,
10.8856

■ 50.6303, 54.7613,
33.7304

■ 41.9651, 44.7398,
8.3090

■ 53.2363, 57.2226,
43.0788

■ 40.9598, 43.1326,
6.7304

■ 56.1720, 59.8525,
54.0507

■ 40.2248, 41.8347,
5.9548

■ 59.4515, 62.6567,
66.7195

■ 63.0881, 65.6409,
81.1541

■ 67.0943, 68.8103,
97.4196

■ 69.4200, 71.3451,
104.7199

■ 70.4465, 73.3982,
105.0621

Harmonies

Analogous

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



55.2108, 50.3159, 21.8020



46.3446, 50.3159, 19.5812



38.8299, 50.3159, 24.2009

Triad

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



46.3446, 50.3159, 19.5812



35.4051, 50.3159, 87.2329



64.6623, 50.3159, 77.5086

Complementary

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



46.3446, 50.3159, 19.5812



23.5892, 20.9948, 62.4834

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.



58.1091, 50.3159, 104.0536



46.3446, 50.3159, 19.5812



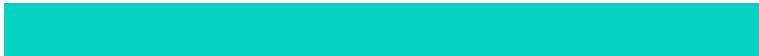
41.1269, 50.3159, 110.7577

Square

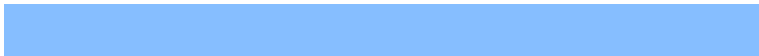
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.3446, 50.3159, 19.5812



33.0223, 50.3159, 59.1785



49.3340, 50.3159, 117.6969



66.4950, 50.3159, 50.6154

Rectangle

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



46.3446, 50.3159, 19.5812



35.3705, 50.3159, 31.7045



49.3340, 50.3159, 117.6969



62.9026, 50.3159, 86.9975

Sweetspot

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



46.3458, 50.3183, 19.5822



87.2539, 93.3008, 78.8854



34.2041, 24.1328, 21.3985



18.4630, 19.7796, 16.0884



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.



46.3458, 50.3183, 19.5822



70.4418, 76.2187, 22.2838



42.7869, 55.2698, 20.7255



12.6078, 13.4063, 12.5352



25.1368, 26.2066, 3.7335



1.4552, 1.5648, 0.2253

Inverse Universe

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



23.5892, 20.9948, 62.4834



30.4868, 24.7913, 97.7861



25.7279, 18.8567, 61.9580



11.3399, 11.7700, 14.9178



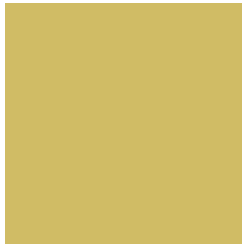
7.5977, 3.8420, 37.5336



0.4795, 0.3242, 2.1169

Previews

White Background



This preview shows how the XYZ color 46.3446, 50.3159, 19.5812 looks on a white background.

Color Contrast Check

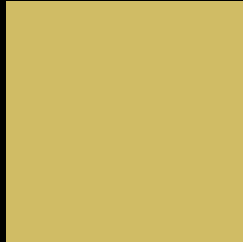
Large Text (above 18pt) WCAG AA × Fail

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 46.3446, 50.3159, 19.5812 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 46.3446, 50.3159, 19.5812

Background



This preview shows how black text looks on a background with the XYZ color 46.3446, 50.3159, 19.5812.



This preview shows how white text looks on a background with the XYZ color 46.3446, 50.3159,

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

46.3446, 50.3159, 19.5812

Protanopia

46.0643, 50.1714, 19.5681

Deuteranopia

51.2014, 50.0425, 19.7925



Tritanopia

54.0501, 50.3983, 56.7483

Trichromacy



Original Color

46.3446, 50.3159, 19.5812

Protanomaly

46.0643, 50.1714, 19.5681

Deuteranomaly

49.2504, 49.9448, 19.6149

Tritanomaly

50.7175, 50.2552, 39.8280

Monochromacy



Original Color

46.3446, 50.3159, 19.5812

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.1740, 48.3685, 37.5270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3446, 50.3159, 19.5812 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(208, 188, 101)` looks like.

```
.text, #text, p{  
    color:rgb(208, 188, 101)  
}
```

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(208, 188, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 188, 101) }
```

Border

The CSS property to change the border of an element to XYZ 46.3446, 50.3159, 19.5812 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(208, 188, 101) }
```


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

```
.border{ border-color:rgb(208, 188, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 188, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 188, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 188, 101);  
box-shadow:4px 4px 4px 4px rgb(208, 188,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3446, 50.3159, 19.5812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 188, 101) }
```

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

```
.background{ background-color: rgb(208,  
188, 101) }
```

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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