

Converting Colors

XYZ(59.5350, 69.6432, 47.0596)

Have a look what the booklet for
XYZ(59.5350, 69.6432, 47.0596)
contains.

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Color

**XYZ(59.3628, 69.3667,
46.8196)**

Conversions

Conversions Part 1

Format	Color
Hex	CFE0A7
RGB	207, 224, 167
RGB Percent	81%, 88%, 65%
CMY	0.1882, 0.1215, 0.3451
CMYK	0.08, 0.00, 0.25, 0.12
HSL	78°, 48%, 77%
HSV	78°, 25%, 88%
XYZ	59.3628, 69.3667, 46.8196
YIQ	212.4190, 8.1650, -21.3310

Conversions

Conversions Part 2

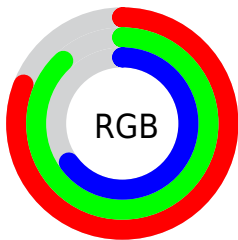
Format	Color
RYB	167, 224, 184
Decimal	13623463
CIELab	86.69, -15.21, 26.09
CIELCh	87, 30.200, 120.252
Yxy	69.3667, 0.3382, 0.3951
Android (android.graphics.Color)	4291813543 (0xFFCFE0A7)
YUV	212.4190, -22.3916, -4.7525
Hunter-Lab	83.2867, -18.5253, 24.9708

Details

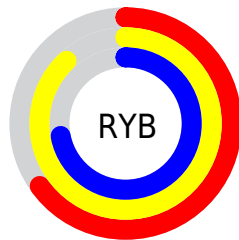
The XYZ color **59.3628, 69.3667, 46.8196** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.0432, 43.2115, 76.3860**, and the grayscale version is **63.0003, 66.2812, 72.1803**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **30.2314, 36.2891, 21.6308** is the 20% darker color. If you saturate the color by 10%, you get **55.6417, 67.6695, 36.7561**, and if you desaturate by 10%, it is **63.5253, 71.2543, 58.7789**.

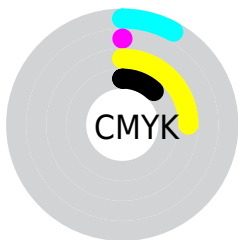
Distribution



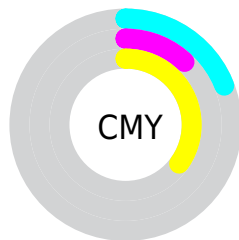
- Red (81%)
- Green (88%)
- Blue (65%)



- Red (65%)
- Yellow (88%)
- Blue (72%)



- Cyan (8%)
- Magenta (0%)
- Yellow (25%)
- Black (12%)





- Cyan (19%)
- Magenta (12%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3628, 69.3667, 46.8196 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 59.3628, 69.3667, 46.8196 by changing the saturation by 10% instead.

 59.3628, 69.3667,
46.8196


 59.3628, 69.3667,
46.8196


412.1175,
458.3232, 390.4669

 43.1527, 51.0104,
32.5397


 103.0164,
118.3052, 86.7914

 30.2000, 36.2169,
21.5059


 131.1906,
149.6562, 113.3205

 20.1393, 24.6018,
13.2994


164.0836,
186.1075, 144.7697

 12.6052, 15.7806,
7.5019

202.0607,
228.0436, 181.5576

 7.2324, 9.3690,
3.6948

245.4873,
275.8488, 224.1027

 3.6555, 4.9827,
1.4594


294.7288,

 1.5091, 2.2371,


329.9075, 272.8236


0.1874


350.1504,
390.6042, 328.1388


 0.3320, 0.7401,
0.0000


 0.0000, 0.0000,
0.0000


 59.3628, 69.3667,
46.8196


 59.3628, 69.3667,
46.8196


 55.6417, 67.6695,
36.7561


 63.5253, 71.2543,
58.7789


 52.3371, 66.1455,
28.4866

 68.1418, 73.3304,
72.7200

 49.4298, 64.7893,
21.9064

 73.2313, 75.6051,
88.7290

 46.8963, 63.5915,
16.8981

 78.5502, 77.9810,
105.5195

■ 44.7107, 62.5415,
13.3296

■ 80.7825, 79.1317,
105.6240

■ 42.8425, 61.6270,
11.0467

■ 83.0983, 80.3256,
105.7324

■ 41.2549, 60.8332,
9.8605

■ 85.4987, 81.5630,
105.8447

■ 40.5971, 60.5005,
9.5381

■ 85.9471, 81.7942,
105.8657

Harmonies

Analogous

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



65.8715, 69.3667, 43.0964



59.3628, 69.3667, 46.8196



54.8942, 69.3667, 57.9283

Triad

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



59.3628, 69.3667, 46.8196



59.4589, 69.3667, 114.3006



80.3682, 69.3667, 75.3584

Complementary

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



59.3628, 69.3667, 46.8196



47.0432, 43.2115, 76.3860

Split Complementary

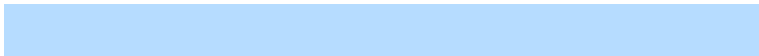
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3559, 69.3667, 96.3750



59.3628, 69.3667, 46.8196



65.9904, 69.3667, 121.1462

Square

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



59.3628, 69.3667, 46.8196



54.9469, 69.3667, 96.7224



72.9666, 69.3667, 114.0764



78.2893, 69.3667, 57.6816

Rectangle

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



59.3628, 69.3667, 46.8196



53.5046, 69.3667, 69.1719



72.9666, 69.3667, 114.0764



80.1462, 69.3667, 82.2632

Sweetspot

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



59.3646, 69.3698, 46.8211



89.7341, 97.6191, 92.4075



54.6824, 52.5684, 43.8249



19.0026, 20.8028, 19.1581



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.



59.3646, 69.3698, 46.8211



76.6817, 91.7112, 54.7088



52.3044, 65.7301, 46.4907



14.4528, 15.8136, 14.5974



23.7501, 35.2761, 5.5572



1.7350, 2.4909, 0.3894

Inverse Universe

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



47.0432, 43.2115, 76.3860



57.2601, 50.4660, 101.3307



54.3263, 46.9661, 76.7269



13.3345, 13.4405, 17.2791



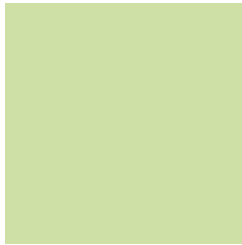
9.2730, 3.8757, 41.3077



0.7311, 0.3142, 2.8674

Previews

White Background



This preview shows how the XYZ color 59.3628, 69.3667, 46.8196 looks on a white background.

Color Contrast Check

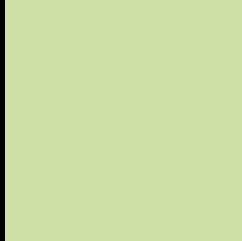
Large Text (above 18pt) WCAG AA × Fail

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 59.3628, 69.3667, 46.8196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

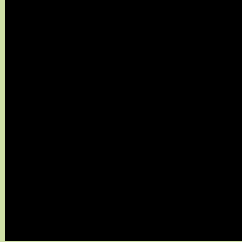
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.3628, 69.3667, 46.8196

Background



This preview shows how black text looks on a background with the XYZ color 59.3628, 69.3667, 46.8196.

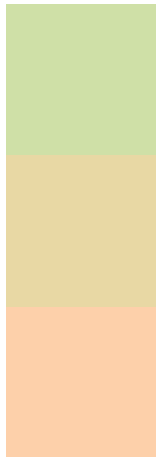


This preview shows how white text looks on a background with the XYZ color 59.3628, 69.3667,

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

59.3628, 69.3667, 46.8196

Protanopia

64.5354, 68.9479, 45.0288

Deuteranopia

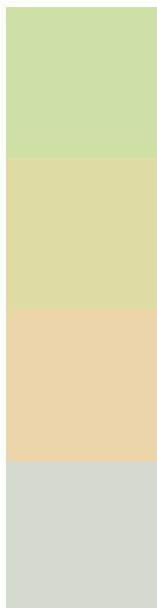
70.3196, 68.8967, 47.6224



Tritanopia

67.1848, 69.0260, 86.1263

Trichromacy



Original Color

59.3628, 69.3667, 46.8196

Protanomaly

62.5545, 69.0676, 45.6317

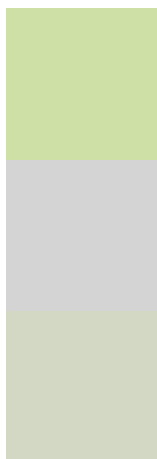
Deuteranomaly

65.8001, 68.7906, 47.3460

Tritanomaly

63.8971, 68.8430, 69.5948

Monochromacy



Original Color

59.3628, 69.3667, 46.8196

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

61.0980, 66.7989, 61.8978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3628, 69.3667, 46.8196 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(207, 224, 167)` looks like.

```
.text, #text, p{  
    color:rgb(207, 224, 167)  
}
```

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(207, 224, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 224, 167) }
```

Border

The CSS property to change the border of an element to XYZ 59.3628, 69.3667, 46.8196 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(207, 224, 167) }
```


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

```
.border{ border-color:rgb(207, 224, 167) }
```

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

Here you see how a box with a 4 pixel rgb(207, 224, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 224, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 224, 167);  
box-shadow:4px 4px 4px 4px rgb(207, 224,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3628, 69.3667, 46.8196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 224, 167) }
```

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

```
.background{ background-color: rgb(207,  
224, 167) }
```

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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