

Converting Colors

XYZ(49.8184, 59.2230, 36.5776)

Have a look what the booklet for
XYZ(49.8184, 59.2230, 36.5776)
contains.

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Color

**XYZ(49.7989, 59.2761,
36.4205)**

Conversions

Conversions Part 1

Format	Color
Hex	BFD293
RGB	191, 210, 147
RGB Percent	75%, 82%, 58%
CMY	0.2510, 0.1765, 0.4235
CMYK	0.09, 0.00, 0.30, 0.18
HSL	78°, 41%, 70%
HSV	78°, 30%, 82%
XYZ	49.7989, 59.2761, 36.4205
YIQ	197.1370, 8.8990, -23.6210

Conversions

Conversions Part 2

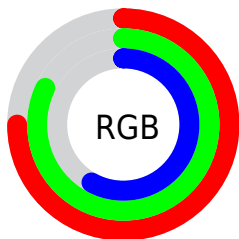
Format	Color
RYB	147, 210, 166
Decimal	12571283
CIELab	81.44, -16.93, 29.17
CIELCh	81, 33.728, 120.125
Yxy	59.2761, 0.3423, 0.4074
Android (android.graphics.Color)	4290761363 (0xFFBFD293)
YUV	197.1370, -24.7175, -5.3821
Hunter-Lab	76.9910, -19.2778, 25.8466

Details

The XYZ color **49.7989, 59.2761, 36.4205** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.7948, 33.6292, 65.4751**, and the grayscale version is **53.2958, 56.0714, 61.0617**.

A 20% lighter version of the original color is **85.0140, 95.6935, 69.2483**, and **24.3163, 29.9398, 15.5637** is the 20% darker color. If you saturate the color by 10%, you get **46.7409, 57.8748, 28.4466**, and if you desaturate by 10%, it is **53.2298, 60.8385, 45.9845**.

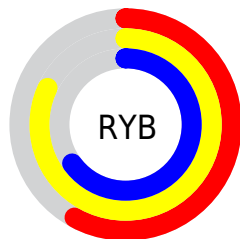
Distribution



Red (75%)

Green (82%)

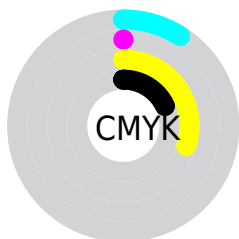
Blue (58%)



Red (58%)

Yellow (82%)

Blue (65%)

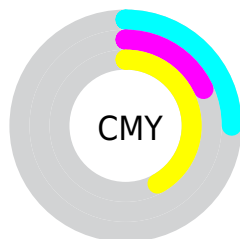


Cyan (9%)

Magenta (0%)

Yellow (30%)

Black (18%)



Cyan (25%)

Magenta (18%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7989, 59.2761, 36.4205 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 49.7989, 59.2761, 36.4205 by changing the saturation by 10% instead.

■ 49.7989, 59.2761,
36.4205

■ 49.7989, 59.2761,
36.4205

376.3440,
421.9243, 345.8876

■ 35.4708, 42.8354,
24.4669

■ 89.0705, 103.7788,
70.8569

■ 24.1940, 29.7560,
15.4649

■ 114.7446,
132.6097, 94.1768

■ 15.6031, 19.6535,
8.9961

144.9315,
166.3394, 122.1226

■ 9.3328, 12.1434,
4.6418

179.9964,
205.3523, 155.1127

■ 5.0177, 6.8414,
1.9837

220.3048,
250.0329, 193.5657

■ 2.2925, 3.3631,
0.5452

266.2219,

■ 0.7908, 1.3241,

300.7655, 237.9001

0.0000

318.1132,
357.9345, 288.5346

0.0000, 0.1598,
0.0000

0.0000, 0.0000,
0.0000

49.7989, 59.2761,
36.4205

49.7989, 59.2761,
36.4205

46.7409, 57.8748,
28.4466

53.2298, 60.8385,
45.9845

44.0338, 56.6198,
21.9728

57.0449, 62.5607,
57.2147

41.6605, 55.5060,
16.9056

61.2608, 64.4513,
70.1866

39.6001, 54.5250,
13.1399

65.8914, 66.5160,
84.9703

■ 37.8287, 53.6672,
10.5555

■ 70.9503, 68.7604,
101.6318

■ 36.3186, 52.9213,
9.0101

■ 73.4137, 69.9751,
104.2450

■ 35.0192, 52.2671,
8.2429

■ 75.4722, 71.0363,
104.3413

■ 77.6053, 72.1360,
104.4411

■ 79.8137, 73.2744,
104.5445

Harmonies

Analogous

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



56.3105, 59.2761, 32.9516



49.7989, 59.2761, 36.4205



45.3714, 59.2761, 47.0511

Triad

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



49.7989, 59.2761, 36.4205



49.8463, 59.2761, 104.4559



71.0321, 59.2761, 64.4566

Complementary

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



49.7989, 59.2761, 36.4205



37.7948, 33.6292, 65.4751

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.



68.9479, 59.2761, 85.9044



49.7989, 59.2761, 36.4205



56.3698, 59.2761, 111.7391

Square

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



49.7989, 59.2761, 36.4205



45.3971, 59.2761, 86.0828



63.4305, 59.2761, 104.3387



68.9140, 59.2761, 46.9319

Rectangle

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



49.7989, 59.2761, 36.4205



43.9984, 59.2761, 58.1022



63.4305, 59.2761, 104.3387



70.7977, 59.2761, 71.4400

Sweetspot

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



49.8004, 59.2787, 36.4218



89.0714, 97.3196, 90.4712



45.4650, 43.0462, 33.5171



18.8685, 20.7421, 18.7725



0.0000, 0.0000, 0.0000



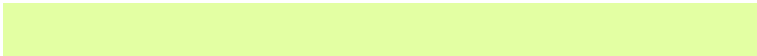
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8004, 59.2787, 36.4218



74.1649, 90.5527, 48.3139



42.7323, 55.6350, 36.0910



12.4418, 13.6112, 12.5835



21.4660, 31.9351, 5.0327



1.2785, 1.8260, 0.2851

Inverse Universe

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



37.7948, 33.6292, 65.4751



52.6412, 44.5477, 100.4318



45.1995, 37.4464, 65.8216



11.4942, 11.5881, 14.8746



8.4494, 3.5361, 37.4297



0.5527, 0.2391, 2.0966

Previews

White Background



This preview shows how the XYZ color 49.7989, 59.2761, 36.4205 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 49.7989, 59.2761, 36.4205 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 49.7989, 59.2761, 36.4205

Background



This preview shows how black text looks on a background with the XYZ color 49.7989, 59.2761, 36.4205.



This preview shows how white text looks on a background with the XYZ color 49.7989, 59.2761,

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

49.7989, 59.2761, 36.4205

Protanopia

55.0680, 59.1601, 34.9022

Deuteranopia

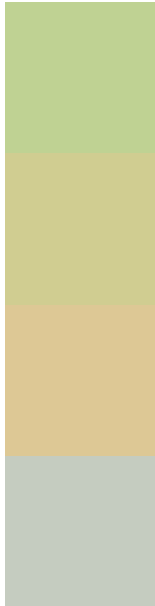
60.0567, 58.9627, 37.0698



Tritanopia

57.4984, 59.2005, 74.0420

Trichromacy



Original Color

49.7989, 59.2761, 36.4205

Protanomaly

52.9546, 59.1169, 35.4078

Deuteranomaly

55.8979, 58.8506, 36.8469

Tritanomaly

54.1333, 58.8618, 58.3775

Monochromacy



Original Color

49.7989, 59.2761, 36.4205

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.7629, 57.0978, 50.9406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7989, 59.2761, 36.4205 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(191, 210, 147)` looks like.

```
.text, #text, p{  
    color:rgb(191, 210, 147)  
}
```

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(191, 210, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 210, 147) }
```

Border

The CSS property to change the border of an element to XYZ 49.7989, 59.2761, 36.4205 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(191, 210, 147) }
```


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

```
.border{ border-color:rgb(191, 210, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 210, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 210, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 210, 147);  
box-shadow:4px 4px 4px 4px rgb(191, 210,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7989, 59.2761, 36.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 210, 147) }
```

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

```
.background{ background-color: rgb(191,  
210, 147) }
```

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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