

Converting Colors

XYZ(58.3270, 68.9319, 42.0287)

Have a look what the booklet for
XYZ(58.3270, 68.9319, 42.0287)
contains.

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Color

**XYZ(58.4736, 69.0110,
42.1369)**

Conversions

Conversions Part 1

Format	Color
Hex	CFE09D
RGB	207, 224, 157
RGB Percent	81%, 88%, 62%
CMY	0.1882, 0.1215, 0.3843
CMYK	0.08, 0.00, 0.30, 0.12
HSL	75°, 52%, 75%
HSV	75°, 30%, 88%
XYZ	58.4736, 69.0110, 42.1369
YIQ	211.2790, 11.3750, -24.4410

Conversions

Conversions Part 2

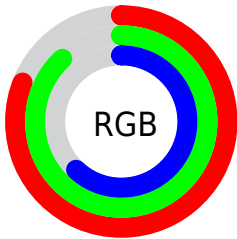
Format	Color
RYB	157, 224, 174
Decimal	13623453
CIELab	86.51, -16.60, 30.99
CIELCh	87, 35.161, 118.175
Yxy	69.0110, 0.3447, 0.4069
Android (android.graphics.Color)	4291813533 (0xFFCFE09D)
YUV	211.2790, -26.7595, -3.7527
Hunter-Lab	83.0729, -19.7343, 28.0774

Details

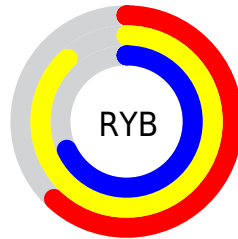
The XYZ color **58.4736, 69.0110, 42.1369** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.9698, 38.4963, 75.6906**, and the grayscale version is **62.2690, 65.5119, 71.3424**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **29.6867, 36.0713, 18.7624** is the 20% darker color. If you saturate the color by 10%, you get **55.1746, 67.5135, 32.8983**, and if you desaturate by 10%, it is **62.1840, 70.6843, 53.2277**.

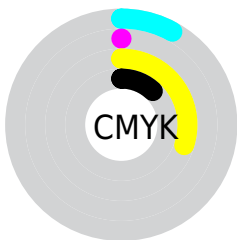
Distribution



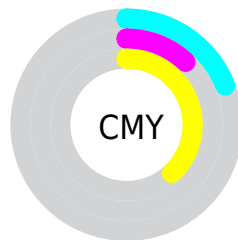
- Red (81%)
- Green (88%)
- Blue (62%)



- Red (62%)
- Yellow (88%)
- Blue (68%)



- Cyan (8%)
- Magenta (0%)
- Yellow (30%)
- Black (12%)





- Cyan (19%)
- Magenta (12%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.4736, 69.0110, 42.1369 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 58.4736, 69.0110, 42.1369 by changing the saturation by 10% instead.


 58.4736, 69.0110,
42.1369


 58.4736, 69.0110,
42.1369

408.8738,
457.0698, 370.8665

 42.4342, 50.7207,
28.8821


 101.7312,
117.7973, 79.6791

 29.6341, 35.9864,
18.7469


 129.6802,
149.0620, 104.8036

 19.7077, 24.4237,
11.3126


162.3298,
185.4204, 134.7218

 12.2898, 15.6482,
6.1607

200.0453,
227.2567, 169.8522

 7.0149, 9.2755,
2.8727

243.1921,
274.9554, 210.6133

 3.5179, 4.9213,
1.0300

292.1355,

 1.4332, 2.2012,

328.9009, 257.4237

0.0000

347.2410,
389.4775, 310.7019

■ 0.2797, 0.7206,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4736, 69.0110,
42.1369

■ 58.4736, 69.0110,
42.1369

■ 55.1746, 67.5135,
32.8983

■ 62.1840, 70.6843,
53.2277

■ 52.2618, 66.1748,
25.4066

■ 66.3189, 72.5318,
66.2598

■ 49.7156, 64.9891,
19.5523

■ 70.8971, 74.5633,
81.3215

■ 47.5118, 63.9468,
15.2122

■ 75.9346, 76.7853,
98.4948

■ 45.6231, 63.0368,
12.2453

■ 79.1088, 78.2689,
105.5457

■ 44.0170, 62.2462,
10.4845

■ 81.0206, 79.2545,
105.6351

■ 42.6379, 61.5525,
9.6393

■ 82.9930, 80.2713,
105.7274

■ 42.6261, 61.5465,
9.6330

■ 85.0265, 81.3196,
105.8226

■ 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.



66.0927, 69.0110, 38.6403



58.4736, 69.0110, 42.1369



53.1675, 69.0110, 53.8873

Triad

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



58.4736, 69.0110, 42.1369



57.6773, 69.0110, 120.0485



82.5215, 69.0110, 76.5782

Complementary

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



58.4736, 69.0110, 42.1369



42.9698, 38.4963, 75.6906

Split Complementary

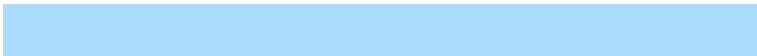
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8174, 69.0110, 101.3568



58.4736, 69.0110, 42.1369



65.0956, 69.0110, 129.4671

Square

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



58.4736, 69.0110, 42.1369



52.7352, 69.0110, 98.3673



73.2678, 69.0110, 122.0106



80.3871, 69.0110, 55.8932

Rectangle

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



58.4736, 69.0110, 42.1369



51.4292, 69.0110, 66.3212



73.2678, 69.0110, 122.0106



82.1441, 69.0110, 84.7106

Sweetspot

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



58.4754, 69.0141, 42.1384



89.4621, 97.5210, 90.4895



51.9165, 48.4593, 38.5166



18.9652, 20.7919, 18.7770



0.0000, 0.0000, 0.0000



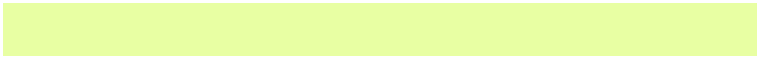
20.3446, 21.4041, 23.3091

Same Dimension

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



58.4754, 69.0141, 42.1384



75.5708, 91.2775, 48.3797



50.1437, 64.7189, 41.7485



14.5144, 15.8453, 14.6002



24.9214, 35.8800, 5.6120



1.8084, 2.5287, 0.3928

Inverse Universe

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



42.9698, 38.4963, 75.6906



51.5537, 43.9871, 100.3809



51.3159, 42.7989, 76.0812



13.2764, 13.4105, 17.2764



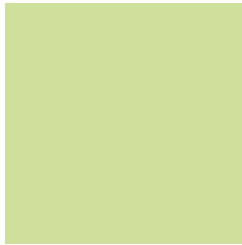
8.8986, 3.6827, 41.2902



0.6986, 0.2974, 2.8658

Previews

White Background



This preview shows how the XYZ color 58.4736, 69.0110, 42.1369 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 58.4736, 69.0110, 42.1369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

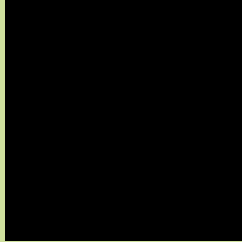
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

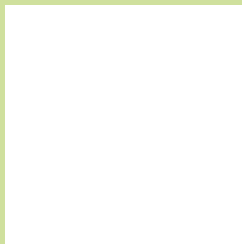
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.4736, 69.0110, 42.1369

Background



This preview shows how black text looks on a background with the XYZ color 58.4736, 69.0110, 42.1369.



This preview shows how white text looks on a background with the XYZ color 58.4736, 69.0110,

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

58.4736, 69.0110, 42.1369

Protanopia

63.9929, 68.7685, 40.4727

Deuteranopia

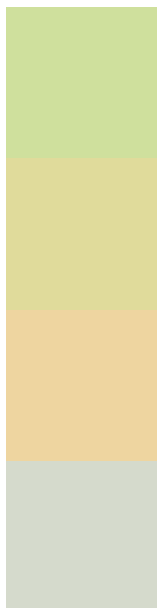
69.9858, 68.4589, 43.2434



Tritanopia

67.0856, 68.6144, 85.3094

Trichromacy



Original Color

58.4736, 69.0110, 42.1369

Protanomaly

61.9884, 68.8769, 41.0378

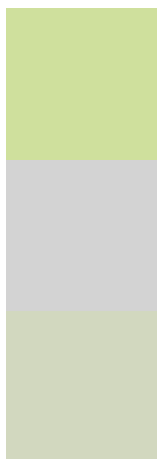
Deuteranomaly

65.3993, 68.3037, 42.9947

Tritanomaly

63.4111, 68.6486, 67.0351

Monochromacy



Original Color

58.4736, 69.0110, 42.1369

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

60.5382, 66.5750, 58.9498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4736, 69.0110, 42.1369 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(207, 224, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 224, 157) }
```

Border

The CSS property to change the border of an element to XYZ 58.4736, 69.0110, 42.1369 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, 157) }
```


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

```
.border{ border-color:rgb(207, 224, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 224, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 224, 157);  
box-shadow:4px 4px 4px 4px rgb(207, 224,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4736, 69.0110, 42.1369 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, 157) }
```

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

```
.background{ background-color: rgb(207,  
224, 157) }
```

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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