

Converting Colors

XYZ(58.1221, 70.2329, 41.4085)

Have a look what the booklet for
XYZ(58.1221, 70.2329, 41.4085)
contains.

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Color

**XYZ(58.0141, 70.0012,
41.4643)**

Conversions

Conversions Part 1

Format	Color
Hex	CBE39B
RGB	203, 227, 155
RGB Percent	80%, 89%, 61%
CMY	0.2039, 0.1098, 0.3921
CMYK	0.11, 0.00, 0.32, 0.11
HSL	80°, 56%, 75%
HSV	80°, 32%, 89%
XYZ	58.0141, 70.0012, 41.4643
YIQ	211.6160, 8.8080, -27.4800

Conversions

Conversions Part 2

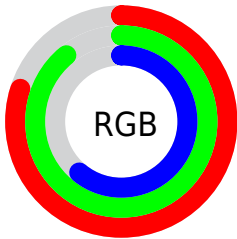
Format	Color
RYB	155, 227, 179
Decimal	13362075
CIELab	87.00, -19.82, 32.62
CIELCh	87, 38.166, 121.289
Yxy	70.0012, 0.3423, 0.4130
Android (android.graphics.Color)	4291552155 (0xFFCBE39B)
YUV	211.6160, -27.9117, -7.5562
Hunter-Lab	83.6667, -22.6457, 29.1832

Details

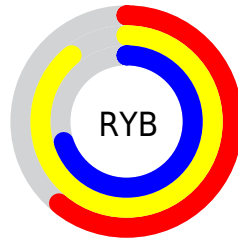
The XYZ color **58.0141, 70.0012, 41.4643** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.1796, 38.5744, 77.7939**, and the grayscale version is **62.5012, 65.7561, 71.6084**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **29.4134, 36.7802, 18.3810** is the 20% darker color. If you saturate the color by 10%, you get **54.2737, 68.2751, 32.2561**, and if you desaturate by 10%, it is **62.2171, 71.9287, 52.5677**.

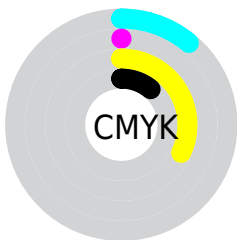
Distribution



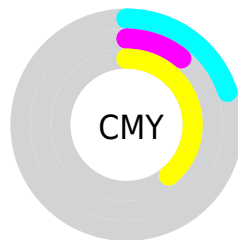
- Red (80%)
- Green (89%)
- Blue (61%)



- Red (61%)
- Yellow (89%)
- Blue (70%)



- Cyan (11%)
- Magenta (0%)
- Yellow (32%)
- Black (11%)





- Cyan (20%)
- Magenta (11%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.0141, 70.0012, 41.4643 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 58.0141, 70.0012, 41.4643 by changing the saturation by 10% instead.


 58.0141, 70.0012,
41.4643

 58.0141, 70.0012,
41.4643


407.1915,
460.5542, 367.9914

 42.0633, 51.5275,
28.3596


 101.0662,
119.2105, 78.6495

 29.3422, 36.6286,
18.3555


 128.8983,
150.7148, 103.5672

 19.4854, 24.9201,
11.0335


161.4214,
187.3316, 133.2595

 12.1276, 16.0175,
5.9749

199.0011,
229.4450, 168.1452

 6.9035, 9.5365,
2.7613

242.0025,
277.4396, 208.6427

 3.4476, 5.0928,
0.9741

290.7912,

 1.3946, 2.3018,

331.6998, 255.1705

0.0000

345.7324,
392.6098, 308.1472

■ 0.2524, 0.7747,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.0141, 70.0012,
41.4643

■ 58.0141, 70.0012,
41.4643

■ 54.2737, 68.2751,
32.2561

■ 62.2171, 71.9287,
52.5677

■ 50.9690, 66.7323,
24.8326

■ 66.8974, 74.0566,
65.6596

■ 48.0783, 65.3665,
19.0786

■ 72.0753, 76.3954,
80.8325

■ 45.5752, 64.1668,
14.8638

■ 77.7684, 78.9524,
98.1720

■ 43.4300, 63.1212,
12.0384

■ 81.7418, 80.8338,
105.9020

■ 41.6069, 62.2152,
10.4230

■ 84.3770, 82.1923,
106.0253

■ 40.2934, 61.5515,
9.7569

■ 86.7605, 83.4211,
106.1368

Harmonies

Analogous

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



66.1487, 70.0012, 36.8888



58.0141, 70.0012, 41.4643



52.5904, 70.0012, 54.9649

Triad

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



58.0141, 70.0012, 41.4643



58.6265, 70.0012, 127.9561



85.2059, 70.0012, 75.1191

Complementary

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



58.0141, 70.0012, 41.4643



44.1796, 38.5744, 77.7939

Split Complementary

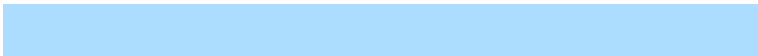
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7472, 70.0012, 102.3488



58.0141, 70.0012, 41.4643



66.9208, 70.0012, 136.6633

Square

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



58.0141, 70.0012, 41.4643



52.9211, 70.0012, 104.6974



75.8498, 70.0012, 126.4007



82.3015, 70.0012, 53.4392

Rectangle

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



58.0141, 70.0012, 41.4643



50.9730, 70.0012, 69.0163



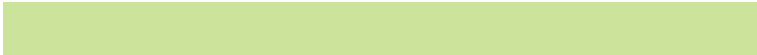
75.8498, 70.0012, 126.4007



84.9778, 70.0012, 83.9070

Sweetspot

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



58.0159, 70.0043, 41.4658



88.1540, 96.8882, 88.5504



53.7176, 50.9399, 38.0125



18.6726, 20.6493, 18.3892



0.0000, 0.0000, 0.0000



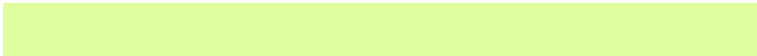
20.3446, 21.4041, 23.3091

Same Dimension

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



58.0159, 70.0043, 41.4658



72.2777, 89.6316, 45.8841



49.3241, 65.5235, 41.0590



15.1103, 16.5639, 15.3052



23.6265, 35.9614, 5.6960



1.8434, 2.7077, 0.4255

Inverse Universe

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



44.1796, 38.5744, 77.7939



51.6304, 42.7072, 100.1298



53.6133, 43.4376, 78.2354



14.0333, 14.1194, 18.1300



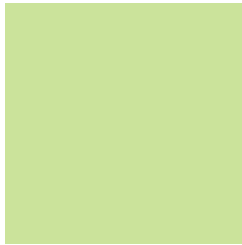
9.9202, 4.1799, 42.6671



0.8288, 0.3582, 3.1574

Previews

White Background



This preview shows how the XYZ color 58.0141, 70.0012, 41.4643 looks on a white background.

Color Contrast Check

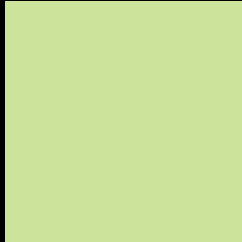
Large Text (above 18pt) WCAG AA × Fail

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 58.0141, 70.0012, 41.4643 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

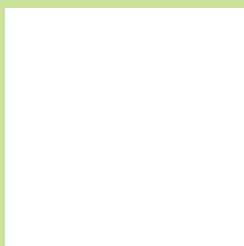
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.0141, 70.0012, 41.4643

Background



This preview shows how black text looks on a background with the XYZ color 58.0141, 70.0012, 41.4643.



This preview shows how white text looks on a background with the XYZ color 58.0141, 70.0012,

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

58.0141, 70.0012, 41.4643

Protanopia

64.6597, 69.5222, 39.2894

Deuteranopia

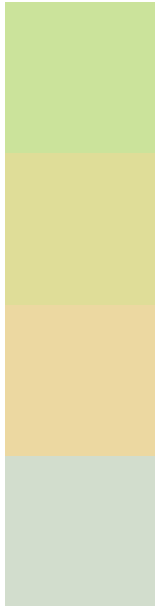
70.7413, 69.5413, 44.8163



Tritanopia

67.3957, 69.8624, 87.7746

Trichromacy



Original Color

58.0141, 70.0012, 41.4643

Protanomaly

61.9554, 69.6679, 39.8876

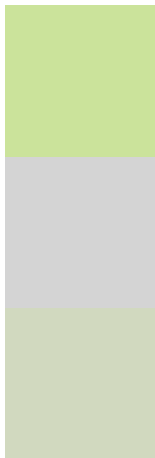
Deuteranomaly

65.5810, 69.5178, 43.6800

Tritanomaly

63.4542, 69.8223, 67.8903

Monochromacy



Original Color

58.0141, 70.0012, 41.4643

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

60.5113, 66.9426, 59.0221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0141, 70.0012, 41.4643 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(203, 227, 155)` looks like.

```
.text, #text, p{  
    color:rgb(203, 227, 155)  
}
```

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(203, 227, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 227, 155) }
```

Border

The CSS property to change the border of an element to XYZ 58.0141, 70.0012, 41.4643 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(203, 227, 155) }
```


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

```
.border{ border-color:rgb(203, 227, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 227, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 227, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 227, 155);  
box-shadow:4px 4px 4px 4px rgb(203, 227,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0141, 70.0012, 41.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 227, 155) }
```

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

```
.background{ background-color: rgb(203,  
227, 155) }
```

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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