

Converting Colors

XYZ(55.9888, 58.7021, 14.6830)

Have a look what the booklet for
XYZ(55.9888, 58.7021, 14.6830)
contains.

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Color

**XYZ(55.9888, 58.7021,
14.6830)**

Conversions

Conversions Part 1

Format	Color
Hex	ECC649
RGB	236, 198, 73
RGB Percent	93%, 78%, 29%
CMY	0.0745, 0.2235, 0.7137
CMYK	0.00, 0.16, 0.69, 0.07
HSL	46°, 81%, 61%
HSV	46°, 69%, 93%
XYZ	55.9888, 58.7021, 14.6830
YIQ	195.1120, 62.7730, -30.8190

Conversions

Conversions Part 2

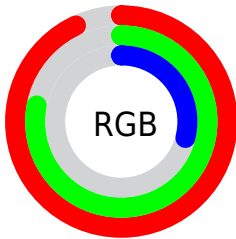
Format	Color
RYB	123, 236, 73
Decimal	15517257
CIELab	81.13, 0.49, 64.90
CIElCh	81, 64.902, 89.572
Yxy	58.7021, 0.4328, 0.4537
Android (android.graphics.Color)	4293707337 (0xFFECC649)
YUV	195.1120, -60.2012, 35.8588
Hunter-Lab	76.6173, -3.6397, 42.2697

Details

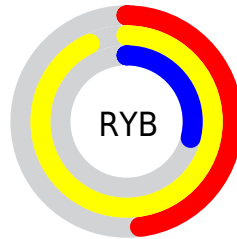
The XYZ color **55.9888, 58.7021, 14.6830** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **23.5723, 18.8409, 81.7508**, and the grayscale version is **52.2615, 54.9831, 59.8766**.

A 20% lighter version of the original color is **80.5781, 93.7021, 34.2615**, and **28.0463, 29.4875, 4.2996** is the 20% darker color. If you saturate the color by 10%, you get **54.1156, 55.9795, 10.9035**, and if you desaturate by 10%, it is **58.2071, 61.6404, 20.0426**.

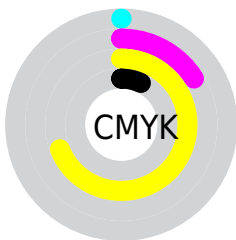
Distribution



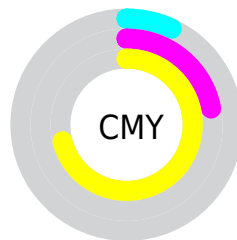
- Red (93%)
- Green (78%)
- Blue (29%)



- Red (48%)
- Yellow (93%)
- Blue (29%)



- Cyan (0%)
- Magenta (16%)
- Yellow (69%)
- Black (7%)



- Cyan (7%)
- Magenta (22%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9888, 58.7021, 14.6830 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 55.9888, 58.7021, 14.6830 by changing the saturation by 10% instead.

■ 55.9888, 58.7021,
14.6830

■ 55.9888, 58.7021,
14.6830

399.7250,
419.7971, 233.0137

■ 40.4309, 42.3734,
8.4531

■ 98.1281, 102.9446,
35.0305

■ 28.0604, 29.3938,
4.2943

■ 125.4402,
131.6271, 49.9852

■ 18.5119, 19.3789,
1.7881

■ 157.4011,
165.1963, 68.6851

■ 11.4200, 11.9444,
0.4201

■ 194.3762,
204.0367, 91.5490

■ 6.4195, 6.7058,
0.0000

■ 236.7308,
248.5325, 118.9952

■ 3.1448, 3.2788,
0.0000

284.8302,

■ 1.2308, 1.2790,

299.0683, 151.4424

0.0000

339.0398,
356.0283, 189.3090

■ 0.1305, 0.1248,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.9888, 58.7021,
14.6830

■ 55.9888, 58.7021,
14.6830

■ 54.1156, 55.9795,
10.9035

■ 58.2071, 61.6404,
20.0426

■ 52.5474, 53.4490,
8.5130


■ 60.7969, 64.7988,
27.1372


■ 51.2304, 51.0904,
7.2246


■ 63.7866, 68.1917,
36.1073


■ 51.1137, 50.8763,
7.1261


■ 67.2002, 71.8295,
47.0778

 71.0599, 75.7218,
60.1627

 75.3861, 79.8774,
75.4677

 80.1979, 84.3046,
93.0912

 84.3983, 88.5655,
107.2543

 86.0604, 91.8898,
107.8084

Harmonies

Analogous

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



69.9955, 58.7021, 18.8659



55.9888, 58.7021, 14.6830



43.9433, 58.7021, 18.6206

Triad

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



55.9888, 58.7021, 14.6830



36.1321, 58.7021, 108.0544



81.2935, 58.7021, 109.4258

Complementary

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



55.9888, 58.7021, 14.6830



23.5723, 18.8409, 81.7508

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.



69.6054, 58.7021, 152.7872



55.9888, 58.7021, 14.6830



43.6573, 58.7021, 151.7962

Square

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



55.9888, 58.7021, 14.6830



33.6611, 58.7021, 63.3626



55.6008, 58.7021, 170.7515



85.9732, 58.7021, 64.4738

Rectangle

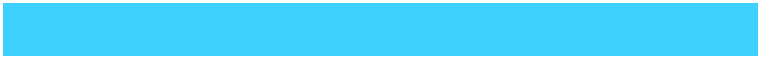
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.9888, 58.7021, 14.6830



38.2811, 58.7021, 26.8211



55.6008, 58.7021, 170.7515



77.9700, 58.7021, 125.2376

Sweetspot

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



55.9902, 58.7049, 14.6842



83.7421, 89.3112, 68.3614



39.8459, 23.7468, 17.5328



17.6461, 18.8380, 13.6821



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.



55.9902, 58.7049, 14.6842



63.6734, 65.4189, 11.5905



53.0717, 71.7480, 17.3556



16.0370, 16.9971, 15.9542



28.2785, 28.2512, 3.9626



2.2926, 2.3625, 0.3352

Inverse Universe

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



23.5723, 18.8409, 81.7508



22.9477, 15.5146, 96.3929



24.7880, 14.5669, 80.8617



14.5161, 15.1187, 19.0754



9.1808, 5.0085, 44.2258



0.7927, 0.5369, 3.4967

Previews

White Background



This preview shows how the XYZ color 55.9888, 58.7021, 14.6830 looks on a white background.

Color Contrast Check

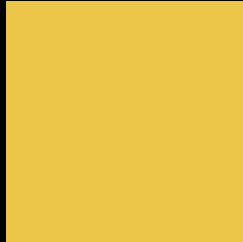
Large Text (above 18pt) WCAG AA × Fail

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 55.9888, 58.7021, 14.6830 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 55.9888, 58.7021, 14.6830

Background



This preview shows how black text looks on a background with the XYZ color 55.9888, 58.7021, 14.6830.



This preview shows how white text looks on a background with the XYZ color 55.9888, 58.7021,

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

55.9888, 58.7021, 14.6830

Protanopia

53.4079, 58.7430, 15.0022

Deuteranopia

59.9033, 58.7165, 14.8328



Tritanopia

65.7803, 58.4609, 62.4607

Trichromacy



Original Color

55.9888, 58.7021, 14.6830

Protanomaly

54.4358, 58.9257, 14.9833

Deuteranomaly

58.5339, 58.6708, 14.7181

Tritanomaly

60.8641, 58.0373, 38.5663

Monochromacy



Original Color

55.9888, 58.7021, 14.6830

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.9042, 55.4159, 37.2388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9888, 58.7021, 14.6830 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(236, 198, 73)` looks like.

```
.text, #text, p{  
    color:rgb(236, 198, 73)  
}
```

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(236, 198, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 198, 73) }
```

Border

The CSS property to change the border of an element to XYZ 55.9888, 58.7021, 14.6830 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(236, 198, 73) }
```


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

```
.border{ border-color:rgb(236, 198, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 198, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 198, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 198, 73);  
box-shadow:4px 4px 4px 4px rgb(236, 198,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9888, 58.7021, 14.6830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 198, 73) }
```

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

```
.background{ background-color: rgb(236,  
198, 73) }
```

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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