

Converting Colors

XYZ(56.6318, 58.1440, 20.9208)

Have a look what the booklet for
XYZ(56.6318, 58.1440, 20.9208)
contains.

XYZ(56.7303, 58.2720, 20.8280)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.7303, 58.2720,
20.8280)**

Conversions

Conversions Part 1

Format	Color
Hex	ECC466
RGB	236, 196, 102
RGB Percent	93%, 77%, 40%
CMY	0.0745, 0.2313, 0.6000
CMYK	0.00, 0.17, 0.57, 0.07
HSL	42°, 78%, 66%
HSV	42°, 57%, 93%
XYZ	56.7303, 58.2720, 20.8280
YIQ	197.2440, 54.0140, -20.7540

Conversions

Conversions Part 2

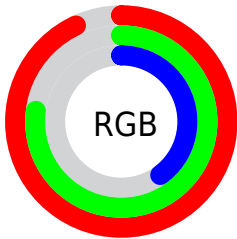
Format	Color
RYB	159, 236, 102
Decimal	15516774
CIELab	80.89, 3.35, 51.81
CIELCh	81, 51.923, 86.298
Yxy	58.2720, 0.4177, 0.4290
Android (android.graphics.Color)	4293706854 (0xFFECC466)
YUV	197.2440, -46.9553, 33.9890
Hunter-Lab	76.3361, -0.9333, 37.2582

Details

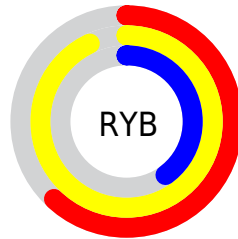
The XYZ color **56.7303, 58.2720, 20.8280** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.2925, 28.2260, 83.2082**, and the grayscale version is **53.4718, 56.2565, 61.2633**.

A 20% lighter version of the original color is **81.9668, 93.2474, 44.6888**, and **28.5296, 29.2223, 7.1544** is the 20% darker color. If you saturate the color by 10%, you get **54.1711, 54.7676, 14.9998**, and if you desaturate by 10%, it is **59.7000, 62.0644, 28.4376**.

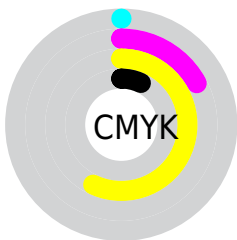
Distribution



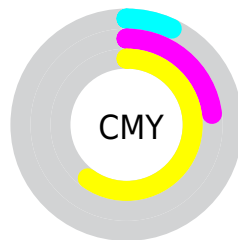
- Red (93%)
- Green (77%)
- Blue (40%)



- Red (62%)
- Yellow (93%)
- Blue (40%)



- Cyan (0%)
- Magenta (17%)
- Yellow (57%)
- Black (7%)



- Cyan (7%)
- Magenta (23%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7303, 58.2720, 20.8280 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 56.7303, 58.2720, 20.8280 by changing the saturation by 10% instead.

■ 56.7303, 58.2720,
20.8280

■ 56.7303, 58.2720,
20.8280

402.4685,
418.1987, 269.1140

■ 41.0280, 42.0274,
12.8083

■ 99.2052, 102.3188,
45.6782

■ 28.5288, 29.1227,
7.1675

■ 126.7085,
130.8898, 63.3457

■ 18.8671, 19.1737,
3.4870

■ 158.8763,
164.3384, 85.0664

■ 11.6777, 11.7958,
1.3484

■ 196.0738,
203.0490, 111.2585

■ 6.5953, 6.6048,
0.1010

238.6664,
247.4059, 142.3409

■ 3.2544, 3.2162,
0.0000

287.0195,

■ 1.2897, 1.2456,

297.7935, 178.7318

0.0000

341.4984,
354.5963, 220.8500

■ 0.1755, 0.0985,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7303, 58.2720,
20.8280

■ 56.7303, 58.2720,
20.8280

■ 54.1711, 54.7676,
14.9998

■ 59.7000, 62.0644,
28.4376

■ 51.9881, 51.5293,
10.7958

■ 63.1027, 66.1487,
37.9608

■ 50.1476, 48.5440,
8.0373

■ 66.9640, 70.5389,
49.5211

■ 48.6051, 45.7923,
6.4954

■ 71.3061, 75.2455,
63.2308

■ 48.1486, 44.9462,
6.1378

■ 76.1495, 80.2782,
79.1937

■ 81.5137, 85.6461,
97.5070

■ 85.3891, 90.5470,
107.5846

■ 87.5644, 94.8977,
108.3097

■ 88.4020, 96.5728,
108.5889

Harmonies

Analogous

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



67.6572, 58.2720, 25.8590



56.7303, 58.2720, 20.8280



46.7284, 58.2720, 23.8156

Triad

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



56.7303, 58.2720, 20.8280



38.8535, 58.2720, 93.4349



74.4107, 58.2720, 102.2630

Complementary

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



56.7303, 58.2720, 20.8280



30.2925, 28.2260, 83.2082

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.



65.0515, 58.2720, 132.6397



56.7303, 58.2720, 20.8280



44.6959, 58.2720, 126.4920

Square

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



56.7303, 58.2720, 20.8280



37.2229, 58.2720, 59.7046



54.0627, 58.2720, 142.6929



78.6640, 58.2720, 67.3453

Rectangle

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



56.7303, 58.2720, 20.8280



41.7534, 58.2720, 30.7221



54.0627, 58.2720, 142.6929



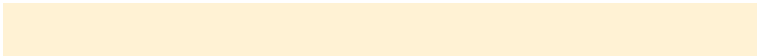
71.7028, 58.2720, 113.7303

Sweetspot

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



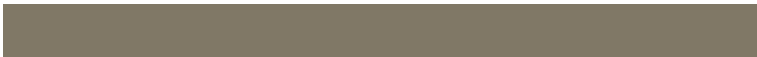
56.7317, 58.2748, 20.8292



84.8500, 89.5367, 74.8664



44.2413, 29.2952, 28.9935



17.9285, 18.9161, 15.2766



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.



56.7317, 58.2748, 20.8292



64.1619, 64.6912, 17.0080



58.7450, 74.5346, 23.8615



15.9504, 16.8237, 15.9254



26.6588, 25.0118, 3.4227



2.1766, 2.1306, 0.2965

Inverse Universe

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



30.2925, 28.2260, 83.2082



29.9311, 25.8681, 98.0233



28.9151, 20.2110, 81.7338



14.5977, 15.2818, 19.1025



9.6665, 5.9801, 44.3877



0.8404, 0.6322, 3.5126

Previews

White Background



This preview shows how the XYZ color 56.7303, 58.2720, 20.8280 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 56.7303, 58.2720, 20.8280 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 56.7303, 58.2720, 20.8280

Background



This preview shows how black text looks on a background with the XYZ color 56.7303, 58.2720, 20.8280.



This preview shows how white text looks on a background with the XYZ color 56.7303, 58.2720,

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

56.7303, 58.2720, 20.8280

Protanopia

53.5095, 58.3024, 21.5299

Deuteranopia

59.4368, 58.0150, 20.8973



Tritanopia

64.9660, 58.0545, 61.8144

Trichromacy



Original Color

56.7303, 58.2720, 20.8280

Protanomaly

54.5502, 58.1570, 21.1823

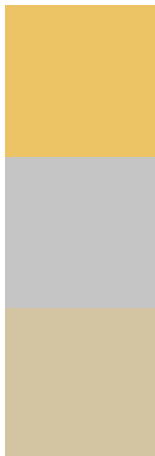
Deuteranomaly

58.4803, 58.1739, 20.9784

Tritanomaly

61.1741, 57.7763, 43.0497

Monochromacy



Original Color

56.7303, 58.2720, 20.8280

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

53.3518, 56.3900, 42.2548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7303, 58.2720, 20.8280 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, 196, 102)` looks like.

```
.text, #text, p{  
    color:rgb(236, 196, 102)  
}
```

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, 196, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 196, 102) }
```

Border

The CSS property to change the border of an element to XYZ 56.7303, 58.2720, 20.8280 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, 196, 102) }
```


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

```
.border{ border-color:rgb(236, 196, 102) }
```

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

Here you see how a box with a 4 pixel rgb(236, 196, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 196, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 196, 102);  
box-shadow:4px 4px 4px 4px rgb(236, 196,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7303, 58.2720, 20.8280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 196, 102) }
```

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

```
.background{ background-color: rgb(236,  
196, 102) }
```

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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