

Converting Colors

XYZ(55.2056, 57.2171, 8.1344)

Have a look what the booklet for
XYZ(55.2056, 57.2171, 8.1344)
contains.

XYZ(55.2270, 57.1088, 8.1123)	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(55.2270, 57.1088,
8.1123)**

Conversions

Conversions Part 1

Format	Color
Hex	F0C200
RGB	240, 194, 0
RGB Percent	94%, 76%, 0%
CMY	0.0588, 0.2392, 0.9999
CMYK	0.00, 0.19, 1.00, 0.06
HSL	49°, 100%, 47%
HSV	49°, 100%, 94%
XYZ	55.2270, 57.1088, 8.1123
YIQ	185.6380, 89.6900, -50.5820

Conversions

Conversions Part 2

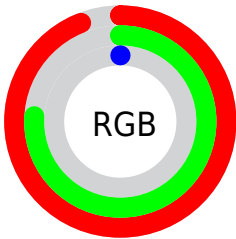
Format	Color
R_{YB}	57, 240, 0
Decimal	15778304
CIE _{Lab}	80.24, 2.40, 81.78
CIE _{LCh}	80, 81.810, 88.320
Yxy	57.1088, 0.4585, 0.4741
Android (android.graphics.Color)	4293968384 (0xFFFF0C200)
YUV	185.6380, -91.5195, 47.6755
Hunter-Lab	75.5704, -1.7999, 46.5346

Details

The XYZ color **55.2270, 57.1088, 8.1123** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **16.7059, 8.2465, 83.1488**, and the grayscale version is **46.9329, 49.3770, 53.7716**.

A 20% lighter version of the original color is **77.0258, 90.2713, 21.7519**, and **28.1153, 28.6335, 4.0450** is the 20% darker color. If you saturate the color by 10%, you get **55.2272, 57.1097, 8.1125**, and if you desaturate by 10%, it is **56.4330, 59.2570, 9.3287**.

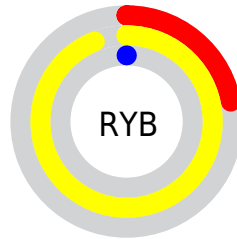
Distribution



Red (94%)

Green (76%)

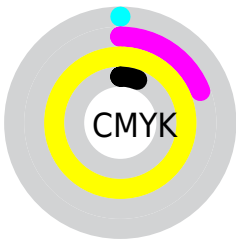
Blue (0%)



Red (22%)

Yellow (94%)

Blue (0%)

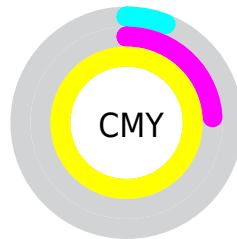


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (24%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2270, 57.1088, 8.1123 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 55.2270, 57.1088, 8.1123 by changing the saturation by 10% instead.


 55.2270, 57.1088,
8.1123


 55.2270, 57.1088,
8.1123


396.8943,
413.8569, 186.5776

 39.8181, 41.0926,
4.0781


 97.0198, 100.6239,
22.7281


 27.5803, 28.3914,
1.6683


 124.1345,
128.8916, 34.1468

 18.1484, 18.6209,
0.3389


 155.8817,
162.0120, 48.8640

 11.1569, 11.3967,
0.0000

 192.6269,
200.3693, 67.2983

 6.2405, 6.3343,
0.0000

 234.7354,
244.3481, 89.8683

 3.0339, 3.0494,
0.0000

 282.5725,

 1.1717, 1.1576,

294.3327, 116.9925

0.0000

336.5037,
350.7075, 149.0894

■ 0.0839, 0.0267,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.2270, 57.1088,
8.1123

■ 55.2270, 57.1088,
8.1123

■ 55.2272, 57.1097,
8.1125

■ 56.4330, 59.2570,
9.3287

■ 57.8735, 61.5479,
11.6283

■ 59.6138, 64.0103,
15.3478

■ 61.6922, 66.6599,
20.6866

■ 64.1405, 69.5100,
27.8122

■ 66.9870, 72.5722,
36.8712

■ 70.2567, 75.8570,
47.9950

■ 73.9728, 79.3740,
61.3032

■ 78.1564, 83.1322,
76.9067

Harmonies

Analogous

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



72.9528, 57.1088, 12.1594



55.2270, 57.1088, 8.1123



40.4261, 57.1088, 11.2735

Triad

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



55.2270, 57.1088, 8.1123



30.6336, 57.1088, 116.8148



86.4527, 57.1088, 124.0694

Complementary

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



55.2270, 57.1088, 8.1123



16.7059, 8.2465, 83.1488

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.



70.9851, 57.1088, 183.3711



55.2270, 57.1088, 8.1123



39.1011, 57.1088, 177.8828

Square

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



55.2270, 57.1088, 8.1123



28.0918, 57.1088, 59.5246



53.3443, 57.1088, 206.8651



93.1245, 57.1088, 64.9169

Rectangle

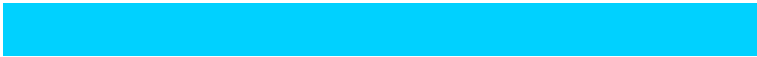
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.2270, 57.1088, 8.1123



33.6543, 57.1088, 18.8825



53.3443, 57.1088, 206.8651



81.9719, 57.1088, 145.5831

Sweetspot

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



55.2283, 57.1116, 8.1134



80.5860, 87.0141, 54.9312



36.4690, 18.7392, 4.4930



16.8964, 18.2767, 10.5403



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.



55.2283, 57.1116, 8.1134



63.3421, 65.4642, 9.2974



47.3097, 70.6453, 11.1430



16.8504, 17.9140, 16.7194



30.3261, 31.4504, 4.4722



2.5882, 2.7471, 0.3938

Inverse Universe

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



16.7059, 8.2465, 83.1488



19.1430, 9.4059, 95.4143



18.4019, 7.6700, 82.9481



15.1424, 15.7190, 19.9576



9.2164, 4.6571, 45.5410



0.8331, 0.5202, 3.8107

Previews

White Background



This preview shows how the XYZ color 55.2270, 57.1088, 8.1123 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 55.2270, 57.1088, 8.1123 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 55.2270, 57.1088, 8.1123

Background



This preview shows how black text looks on a background with the XYZ color 55.2270, 57.1088, 8.1123.

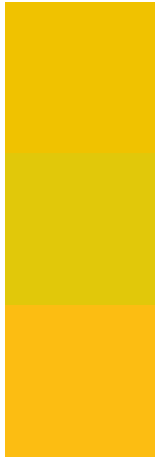


This preview shows how white text looks on a background with the XYZ color 55.2270, 57.1088,

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

55.2270, 57.1088, 8.1123

Protanopia

51.7604, 57.3380, 8.6264

Deuteranopia

58.4517, 57.1343, 8.5196



Tritanopia

65.4832, 56.8616, 58.5630

Trichromacy



Original Color

55.2270, 57.1088, 8.1123

Protanomaly

52.8601, 57.2243, 8.4317

Deuteranomaly

57.4026, 57.2422, 8.3400

Tritanomaly

58.9301, 55.7208, 26.3881

Monochromacy



Original Color

55.2270, 57.1088, 8.1123

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.9212, 50.8250, 24.4767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2270, 57.1088, 8.1123 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(240, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 194, 0)  
}
```

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(240, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 194, 0) }
```

Border

The CSS property to change the border of an element to XYZ 55.2270, 57.1088, 8.1123 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(240, 194, 0) }
```


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

```
.border{ border-color:rgb(240, 194, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 194, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 194,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2270, 57.1088, 8.1123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 194, 0) }
```

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

```
.background{ background-color: rgb(240,  
194, 0) }
```

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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