

Converting Colors

XYZ(55.2737, 55.9795, 16.5654)

Have a look what the booklet for
XYZ(55.2737, 55.9795, 16.5654)
contains.

XYZ(55.1955, 55.9220, 16.4792)	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(55.1955, 55.9220,
16.4792)**

Conversions

Conversions Part 1

Format	Color
Hex	EDBF55
RGB	237, 191, 85
RGB Percent	93%, 75%, 33%
CMY	0.0706, 0.2510, 0.6667
CMYK	0.00, 0.19, 0.64, 0.07
HSL	42°, 81%, 63%
HSV	42°, 64%, 93%
XYZ	55.1955, 55.9220, 16.4792
YIQ	192.6700, 61.4420, -23.2140

Conversions

Conversions Part 2

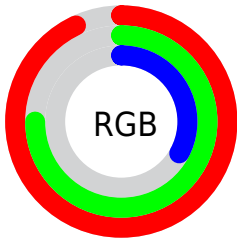
Format	Color
RYB	151, 237, 85
Decimal	15581013
CIELab	79.57, 5.21, 58.19
CIELCh	80, 58.425, 84.881
Yxy	55.9220, 0.4326, 0.4383
Android (android.graphics.Color)	4293771093 (0xFFEDBF55)
YUV	192.6700, -53.0813, 38.8774
Hunter-Lab	74.7810, 0.8832, 39.2812

Details

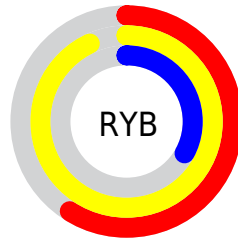
The XYZ color **55.1955, 55.9220, 16.4792** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **27.1483, 24.2773, 83.3753**, and the grayscale version is **50.7725, 53.4166, 58.1707**.

A 20% lighter version of the original color is **79.0882, 89.6165, 37.1741**, and **27.6829, 27.7357, 5.1228** is the 20% darker color. If you saturate the color by 10%, you get **52.8815, 52.5571, 11.8152**, and if you desaturate by 10%, it is **57.9039, 59.5716, 22.8309**.

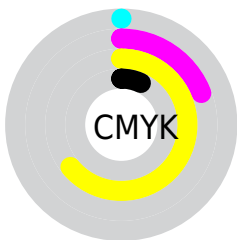
Distribution



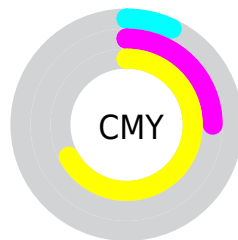
- Red (93%)
- Green (75%)
- Blue (33%)



- Red (59%)
- Yellow (93%)
- Blue (33%)



- Cyan (0%)
- Magenta (19%)
- Yellow (64%)
- Black (7%)



- Cyan (7%)
- Magenta (25%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1955, 55.9220, 16.4792 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 55.1955, 55.9220, 16.4792 by changing the saturation by 10% instead.

55.1955, 55.9220,
16.4792

55.1955, 55.9220,
16.4792

396.7769,
409.3975, 244.0945

39.7927, 40.1404,
9.7059

96.9740, 98.8905,
38.2064

27.5605, 27.6480,
5.1013

124.0804,
126.8462, 53.9974

18.1334, 18.0605,
2.2471

155.8188,
159.6288, 73.6314

11.1460, 10.9934,
0.7013

192.5544,
197.6225, 97.5268

6.2332, 6.0624,
0.0000

234.6527,
241.2118, 126.1023

3.0294, 2.8831,
0.0000

282.4790,

1.1693, 1.0710,

290.7812, 159.7764

0.0000

336.3986,
346.7149, 198.9676

■ 0.0819, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.1955, 55.9220,
16.4792

■ 55.1955, 55.9220,
16.4792

■ 52.8815, 52.5571,
11.8152

■ 57.9039, 59.5716,
22.8309

■ 50.9240, 49.4533,
8.6618


■ 61.0322, 63.5113,
31.0167


■ 49.2831, 46.5953,
6.8083

■ 64.6081, 67.7559,
41.1711

■ 48.4314, 45.0177,
6.1367


■ 68.6554, 72.3165,
53.4146

 73.1960, 77.2037,
67.8584

 78.2506, 82.4271,
84.6054

 83.8384, 87.9960,
103.7523

 86.6584, 92.5916,
107.9123

 88.7348, 96.7444,
108.6045

Harmonies

Analogous

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



67.2526, 55.9220, 21.7905



55.1955, 55.9220, 16.4792



44.1934, 55.9220, 19.0057

Triad

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



55.1955, 55.9220, 16.4792



35.1623, 55.9220, 92.4083



73.8799, 55.9220, 106.2662

Complementary

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



55.1955, 55.9220, 16.4792



27.1483, 24.2773, 83.3753

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.



63.2466, 55.9220, 140.5734



55.1955, 55.9220, 16.4792



41.1748, 55.9220, 130.7193

Square

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



55.1955, 55.9220, 16.4792



33.6590, 55.9220, 55.2919



51.1599, 55.9220, 150.8651



79.0094, 55.9220, 66.8528

Rectangle

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



55.1955, 55.9220, 16.4792



38.7375, 55.9220, 25.5607



51.1599, 55.9220, 150.8651



70.7611, 55.9220, 119.2788

Sweetspot

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



55.1968, 55.9247, 16.4803



83.7076, 88.2632, 71.3681



42.4165, 26.1990, 25.0606



17.5924, 18.5406, 14.2501



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.



55.1968, 55.9247, 16.4803



61.6671, 60.8655, 12.5883



58.2560, 74.7986, 19.9621



15.9449, 16.8128, 15.9235



26.5627, 24.8196, 3.3907



2.1697, 2.1167, 0.2942

Inverse Universe

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



27.1483, 24.2773, 83.3753



26.3189, 21.1111, 97.2954



25.3279, 16.1139, 81.8955



14.6028, 15.2921, 19.1043



9.7016, 6.0502, 44.3994



0.8437, 0.6388, 3.5137

Previews

White Background



This preview shows how the XYZ color 55.1955, 55.9220, 16.4792 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 55.1955, 55.9220, 16.4792 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 55.1955, 55.9220, 16.4792

Background



This preview shows how black text looks on a background with the XYZ color 55.1955, 55.9220, 16.4792.



This preview shows how white text looks on a background with the XYZ color 55.1955, 55.9220,

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

55.1955, 55.9220, 16.4792

Protanopia

51.1278, 56.1364, 17.1575

Deuteranopia

57.3191, 56.0508, 16.6019



Tritanopia

63.9529, 56.0856, 57.9070

Trichromacy



Original Color

55.1955, 55.9220, 16.4792

Protanomaly

52.5589, 55.8709, 16.8181

Deuteranomaly

56.4953, 55.9443, 16.6248

Tritanomaly

59.9354, 55.6688, 38.1581

Monochromacy



Original Color

55.1955, 55.9220, 16.4792

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.9769, 53.5877, 38.2285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1955, 55.9220, 16.4792 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(237, 191, 85)` looks like.

```
.text, #text, p{  
    color:rgb(237, 191, 85)  
}
```

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(237, 191, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 191, 85) }
```

Border

The CSS property to change the border of an element to XYZ 55.1955, 55.9220, 16.4792 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(237, 191, 85) }
```


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

```
.border{ border-color:rgb(237, 191, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 191, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 191, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 191, 85);  
box-shadow:4px 4px 4px 4px rgb(237, 191,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1955, 55.9220, 16.4792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 191, 85) }
```

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

```
.background{ background-color: rgb(237,  
191, 85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor