

Converting Colors

XYZ(53.8451, 53.9415, 13.1371)

Have a look what the booklet for
XYZ(53.8451, 53.9415, 13.1371)
contains.

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Color

**XYZ(53.7696, 53.9748,
13.2144)**

Conversions

Conversions Part 1

Format	Color
Hex	EDBB45
RGB	237, 187, 69
RGB Percent	93%, 73%, 27%
CMY	0.0706, 0.2666, 0.7294
CMYK	0.00, 0.21, 0.71, 0.07
HSL	42°, 82%, 60%
HSV	42°, 71%, 93%
XYZ	53.7696, 53.9748, 13.2144
YIQ	188.4980, 67.6780, -26.0980

Conversions

Conversions Part 2

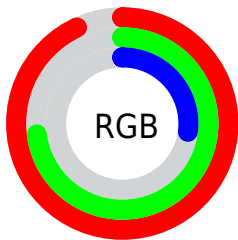
Format	Color
RYB	140, 237, 69
Decimal	15579973
CIELab	78.45, 6.43, 63.82
CIELCh	78, 64.142, 84.250
Yxy	53.9748, 0.4445, 0.4462
Android (android.graphics.Color)	4293770053 (0xFFEDBB45)
YUV	188.4980, -58.9125, 42.5363
Hunter-Lab	73.4675, 2.0728, 40.7630

Details

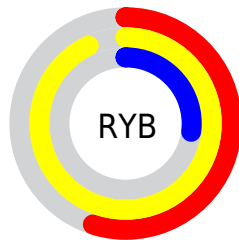
The XYZ color **53.7696, 53.9748, 13.2144** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **24.3370, 20.5727, 82.8087**, and the grayscale version is **48.3828, 50.9025, 55.4328**.

A 20% lighter version of the original color is **76.8657, 86.7912, 31.4400**, and **26.6566, 26.3973, 3.6902** is the 20% darker color. If you saturate the color by 10%, you get **51.7163, 50.8200, 9.5969**, and if you desaturate by 10%, it is **56.1925, 57.3994, 18.4047**.

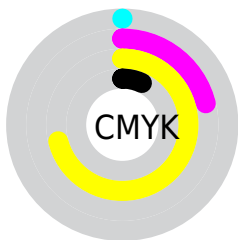
Distribution



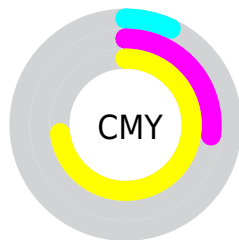
- Red (93%)
- Green (73%)
- Blue (27%)



- Red (55%)
- Yellow (93%)
- Blue (27%)



- Cyan (0%)
- Magenta (21%)
- Yellow (71%)
- Black (7%)





- Cyan (7%)
- Magenta (27%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.7696, 53.9748, 13.2144 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 53.7696, 53.9748, 13.2144 by changing the saturation by 10% instead.


 53.7696, 53.9748,
13.2144


 53.7696, 53.9748,
13.2144


391.4435,
402.0139, 223.5431

 38.6474, 38.5815,
7.4439


 94.8947, 96.0372,
32.3852

 26.6650, 26.4343,
3.6586


 121.6284,
123.4752, 46.6227


 17.4571, 17.1488,
1.4400


 152.9633,
155.6968, 64.5195

 10.6582, 10.3407,
0.1726

 189.2648,
193.0865, 86.4942

 5.9031, 5.6254,
0.0000

 230.8982,
236.0287, 112.9653

 2.8264, 2.6187,
0.0000

278.2289,

 1.0626, 0.9361,

284.9077, 144.3515

0.0000

331.6222,
340.1080, 181.0713

■ 0.0000, 0.0000,
0.0000

■ 53.7696, 53.9748,
13.2144

■ 53.7696, 53.9748,
13.2144

■ 51.7163, 50.8200,
9.5969

■ 56.1925, 57.3994,
18.4047

■ 49.9905, 47.9099,
7.3519


■ 59.0135, 61.1002,
25.3295


■ 48.6470, 45.4487,
6.2085


■ 62.2622, 65.0930,
34.1336


■ 65.9638, 69.3893,
44.9457

■ 70.1416, 74.0001,
57.8833

 74.8171, 78.9353,
73.0545

 80.0101, 84.2045,
90.5601

 85.1539, 89.5825,
107.4108

 87.3103, 93.8952,
108.1296

Harmonies

Analogous

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



66.8132, 53.9748, 18.5056



53.7696, 53.9748, 13.2144



41.9727, 53.9748, 15.4682

Triad

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



53.7696, 53.9748, 13.2144



32.2162, 53.9748, 92.1553



73.6048, 53.9748, 109.3982

Complementary

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



53.7696, 53.9748, 13.2144



24.3370, 20.5727, 82.8087

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.



61.9191, 53.9748, 147.5516



53.7696, 53.9748, 13.2144



38.3981, 53.9748, 135.0675

Square

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



53.7696, 53.9748, 13.2144



30.7592, 53.9748, 52.0821



48.9100, 53.9748, 158.4849



79.4082, 53.9748, 66.0058

Rectangle

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



53.7696, 53.9748, 13.2144



36.1730, 53.9748, 21.7396



48.9100, 53.9748, 158.4849



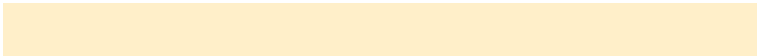
70.1504, 53.9748, 123.8704

Sweetspot

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



53.7708, 53.9774, 13.2155



82.7210, 87.2689, 68.0210



40.4073, 23.6027, 20.0058



17.4013, 18.3484, 13.6005



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.



53.7708, 53.9774, 13.2155



60.1154, 58.4446, 9.9675



56.0962, 73.7507, 16.9095



15.9515, 16.8261, 15.9257



26.6794, 25.0530, 3.4296



2.1781, 2.1336, 0.2970

Inverse Universe

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



24.3370, 20.5727, 82.8087



23.6842, 17.2881, 96.6964



22.9624, 13.2312, 81.4641



14.5966, 15.2795, 19.1022



9.6591, 5.9653, 44.3853



0.8397, 0.6308, 3.5124

Previews

White Background



This preview shows how the XYZ color 53.7696, 53.9748, 13.2144 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 53.7696, 53.9748, 13.2144 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 53.7696, 53.9748, 13.2144

Background



This preview shows how black text looks on a background with the XYZ color 53.7696, 53.9748, 13.2144.



This preview shows how white text looks on a background with the XYZ color 53.7696, 53.9748,

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

53.7696, 53.9748, 13.2144

Protanopia

49.2677, 54.2369, 13.8333

Deuteranopia

55.4166, 54.1948, 13.3342



Tritanopia

62.5213, 53.9269, 55.2578

Trichromacy



Original Color

53.7696, 53.9748, 13.2144

Protanomaly

50.6956, 53.9888, 13.5433

Deuteranomaly

54.9400, 54.2608, 13.3721

Tritanomaly

58.1931, 53.3392, 34.0165

Monochromacy



Original Color

53.7696, 53.9748, 13.2144

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.5477, 51.1326, 34.0989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7696, 53.9748, 13.2144 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, 187, 69)` looks like.

```
.text, #text, p{  
    color:rgb(237, 187, 69)  
}
```

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, 187, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 187, 69) }
```

Border

The CSS property to change the border of an element to XYZ 53.7696, 53.9748, 13.2144 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, 187, 69) }
```


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

```
.border{ border-color:rgb(237, 187, 69) }
```

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

Here you see how a box with a 4 pixel rgb(237, 187, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 187, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 187, 69);  
box-shadow:4px 4px 4px 4px rgb(237, 187,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7696, 53.9748, 13.2144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 187, 69) }
```

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

```
.background{ background-color: rgb(237,  
187, 69) }
```

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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