

Converting Colors

XYZ(53.2390, 57.4048, 12.2122)

Have a look what the booklet for
XYZ(53.2390, 57.4048, 12.2122)
contains.

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Color

**XYZ(53.2709, 57.3517,
12.2653)**

Conversions

Conversions Part 1

Format	Color
Hex	E5C63A
RGB	229, 198, 58
RGB Percent	90%, 78%, 23%
CMY	0.1020, 0.2235, 0.7725
CMYK	0.00, 0.14, 0.75, 0.10
HSL	49°, 77%, 56%
HSV	49°, 75%, 90%
XYZ	53.2709, 57.3517, 12.2653
YIQ	191.3090, 63.4160, -36.9680

Conversions

Conversions Part 2

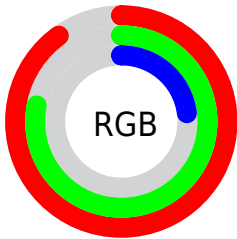
Format	Color
R _Y B	96, 229, 58
Decimal	15058490
CIE Lab	80.38, -3.17, 69.58
CIE LCh	80, 69.649, 92.612
Yxy	57.3517, 0.4335, 0.4667
Android (android.graphics.Color)	4293248570 (0xFFE5C63A)
YUV	191.3090, -65.7213, 33.0550
Hunter-Lab	75.7309, -6.9680, 43.4091

Details

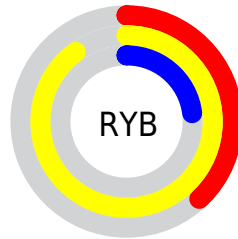
The XYZ color **53.2709, 57.3517, 12.2653** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **19.4602, 13.7012, 75.7471**, and the grayscale version is **50.0463, 52.6526, 57.3387**.

A 20% lighter version of the original color is **79.7763, 93.3814, 30.0394**, and **26.4876, 28.6858, 4.1409** is the 20% darker color. If you saturate the color by 10%, you get **51.8775, 55.2992, 9.5379**, and if you desaturate by 10%, it is **54.9519, 59.5653, 16.3669**.

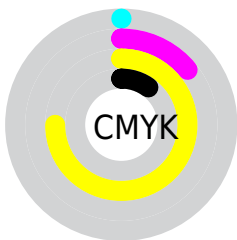
Distribution



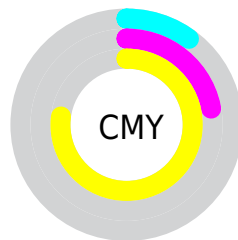
- Red (90%)
- Green (78%)
- Blue (23%)



- Red (38%)
- Yellow (90%)
- Blue (23%)



- Cyan (0%)
- Magenta (14%)
- Yellow (75%)
- Black (10%)



- Cyan (10%)
- Magenta (22%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2709, 57.3517, 12.2653 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 53.2709, 57.3517, 12.2653 by changing the saturation by 10% instead.

■ 53.2709, 57.3517,
12.2653

■ 53.2709, 57.3517,
12.2653

389.5675,
414.7659, 217.1937

■ 38.2474, 41.2877,
6.7999

■ 94.1661, 100.9782,
30.6490

■ 26.3529, 28.5439,
3.2607

■ 120.7684,
129.3094, 44.4043

■ 17.2219, 18.7361,
1.2293

■ 151.9612,
162.4985, 61.7601

■ 10.4891, 11.4797,
0.0027

■ 188.1096,
200.9299, 83.1348

■ 5.7892, 6.3905,
0.0000

■ 229.5791,
244.9879, 108.9469

■ 2.7567, 3.0839,
0.0000

276.7350,

■ 1.0265, 1.1757,

295.0570, 139.6151

0.0000

329.9427,
351.5215, 175.5579

■ 0.0000, 0.0417,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.2709, 57.3517,
12.2653

■ 53.2709, 57.3517,
12.2653

■ 51.8775, 55.2992,
9.5379

■ 54.9519, 59.5653,
16.3669

■ 50.7301, 53.3842,
7.9849

■ 56.9471, 61.9442,
21.9998

■ 50.1879, 52.4080,
7.4706

■ 59.2843, 64.5023,
29.3035

■ 61.9870, 67.2491,
38.4009

■ 65.0766, 70.1935,
49.4032

■ 68.5727, 73.3437,
62.4125

■ 72.4934, 76.7072,
77.5240

■ 76.8557, 80.2912,
94.8264

■ 80.1750, 83.5021,
106.4996

Harmonies

Analogous

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



68.1212, 57.3517, 15.4538



53.2709, 57.3517, 12.2653



41.0291, 57.3517, 16.9079

Triad

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



53.2709, 57.3517, 12.2653



34.5241, 57.3517, 115.0464



82.6598, 57.3517, 105.9795

Complementary

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



53.2709, 57.3517, 12.2653



19.4602, 13.7012, 75.7471

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.



70.6635, 57.3517, 154.6896



53.2709, 57.3517, 12.2653



42.8464, 57.3517, 161.3350

Square

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



53.2709, 57.3517, 12.2653



31.4529, 57.3517, 66.0941



55.7703, 57.3517, 178.3159



86.7439, 57.3517, 58.9352

Rectangle

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



53.2709, 57.3517, 12.2653



35.4994, 57.3517, 25.8723



55.7703, 57.3517, 178.3159



79.3267, 57.3517, 123.2898

Sweetspot

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



53.2722, 57.3545, 12.2664



84.1387, 90.5820, 67.0215



35.6442, 20.4117, 11.5905



17.7604, 19.1595, 13.4343



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.



53.2722, 57.3545, 12.2664



65.3166, 69.1237, 10.8479



46.4287, 65.4405, 14.1879



15.3678, 16.3495, 15.2503



28.7765, 30.1272, 4.2985



2.1846, 2.3425, 0.3370

Inverse Universe

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



19.4602, 13.7012, 75.7471



20.4763, 11.4590, 95.7403



22.3577, 12.1385, 75.2928



13.7931, 14.3075, 18.1790



8.6123, 4.2866, 42.7567



0.6979, 0.4397, 3.1801

Previews

White Background



This preview shows how the XYZ color 53.2709, 57.3517, 12.2653 looks on a white background.

Color Contrast Check

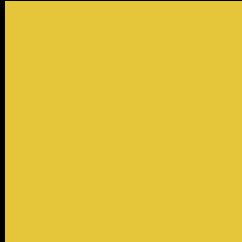
Large Text (above 18pt) WCAG AA × Fail

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 53.2709, 57.3517, 12.2653 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 53.2709, 57.3517, 12.2653

Background



This preview shows how black text looks on a background with the XYZ color 53.2709, 57.3517, 12.2653.

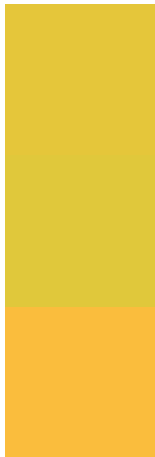


This preview shows how white text looks on a background with the XYZ color 53.2709, 57.3517,

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

53.2709, 57.3517, 12.2653

Protanopia

52.1842, 57.4716, 12.4804

Deuteranopia

58.4642, 57.0561, 12.3464



Tritanopia

63.2544, 57.1722, 61.7343

Trichromacy



Original Color

53.2709, 57.3517, 12.2653

Protanomaly

52.5769, 57.3314, 12.4326

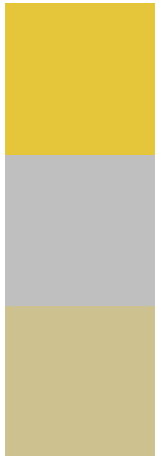
Deuteranomaly

56.2832, 56.9028, 12.2919

Tritanomaly

58.0197, 56.6272, 35.8891

Monochromacy



Original Color

53.2709, 57.3517, 12.2653

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.4265, 53.5459, 33.7169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2709, 57.3517, 12.2653 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(229, 198, 58)` looks like.

```
.text, #text, p{  
    color:rgb(229, 198, 58)  
}
```

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(229, 198, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 198, 58) }
```

Border

The CSS property to change the border of an element to XYZ 53.2709, 57.3517, 12.2653 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(229, 198, 58) }
```


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

```
.border{ border-color:rgb(229, 198, 58) }
```

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

Here you see how a box with a 4 pixel rgb(229, 198, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 198, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 198, 58);  
box-shadow:4px 4px 4px 4px rgb(229, 198,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2709, 57.3517, 12.2653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 198, 58) }
```

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

```
.background{ background-color: rgb(229,  
198, 58) }
```

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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