

Converting Colors

XYZ(53.7688, 59.3730, 10.8167)

Have a look what the booklet for
XYZ(53.7688, 59.3730, 10.8167)
contains.

XYZ(53.7688, 59.3730, 10.8167)	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(53.7688, 59.3730,
10.8167)**

Conversions

Conversions Part 1

Format	Color
Hex	E4CB2A
RGB	228, 203, 42
RGB Percent	89%, 80%, 16%
CMY	0.1059, 0.2039, 0.8353
CMYK	0.00, 0.11, 0.82, 0.11
HSL	52°, 77%, 53%
HSV	52°, 82%, 89%
XYZ	53.7688, 59.3730, 10.8167
YIQ	192.1210, 66.5810, -44.7710

Conversions

Conversions Part 2

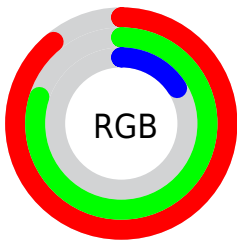
Format	Color
R_{YB}	71, 228, 42
Decimal	14994218
CIE Lab	81.50, -6.72, 75.47
CIE LCh	81, 75.767, 95.087
Yxy	59.3730, 0.4338, 0.4790
Android (android.graphics.Color)	4293184298 (0xFFE4CB2A)
YUV	192.1210, -74.0097, 31.4659
Hunter-Lab	77.0539, -10.2856, 45.6147

Details

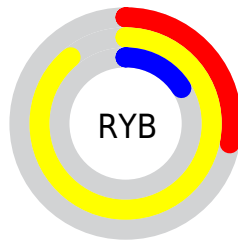
The XYZ color **53.7688, 59.3730, 10.8167** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **16.9659, 10.1082, 74.4553**, and the grayscale version is **50.5671, 53.2005, 57.9354**.

A 20% lighter version of the original color is **79.4482, 93.7593, 26.7419**, and **26.8959, 29.8197, 4.3382** is the 20% darker color. If you saturate the color by 10%, you get **52.7550, 57.8234, 9.0060**, and if you desaturate by 10%, it is **55.0314, 61.0496, 13.8551**.

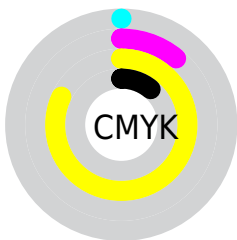
Distribution



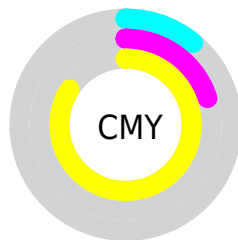
- Red (89%)
- Green (80%)
- Blue (16%)



- Red (28%)
- Yellow (89%)
- Blue (16%)



- Cyan (0%)
- Magenta (11%)
- Yellow (82%)
- Black (11%)





- Cyan (11%)
- Magenta (20%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.7688, 59.3730, 10.8167 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 53.7688, 59.3730, 10.8167 by changing the saturation by 10% instead.


 53.7688, 59.3730,
10.8167


 53.7688, 59.3730,
10.8167


391.4405,
422.2828, 207.0977


 38.6468, 42.9135,
5.8311


 94.8936, 103.9196,
27.9522

 26.6645, 29.8172,
2.6755


 121.6271,
132.7754, 40.9391


 17.4567, 19.6999,
0.9311


 152.9617,
166.5321, 57.4302

 10.6580, 12.1771,
0.0000

 189.2630,
205.5741, 77.8441

 5.9029, 6.8644,
0.0000

 230.8961,
250.2858, 102.5993

 2.8262, 3.3774,
0.0000

 278.2265,

 1.0626, 1.3318,

301.0515, 132.1142

0.0000

331.6195,
358.2557, 166.8075

■ 0.0000, 0.1656,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.7688, 59.3730,
10.8167

■ 53.7688, 59.3730,
10.8167

■ 52.7550, 57.8234,
9.0060

■ 55.0314, 61.0496,
13.8551

■ 52.0431, 56.5906,
8.1801

■ 56.5732, 62.8586,
18.2987

■ 58.4243, 64.8144,
24.2995

■ 60.6098, 66.9272,
31.9892

■ 63.1519, 69.2061,
41.4853

■ 66.0712, 71.6593,
52.8950

■ 69.3865, 74.2946,
66.3168

■ 73.1152, 77.1191,
81.8427

■ 77.2739, 80.1394,
99.5589

Harmonies

Analogous

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



70.2911, 59.3730, 13.3586



53.7688, 59.3730, 10.8167



40.6424, 59.3730, 16.2551

Triad

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



53.7688, 59.3730, 10.8167



34.9593, 59.3730, 129.0394



88.8888, 59.3730, 108.9046

Complementary

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



53.7688, 59.3730, 10.8167



16.9659, 10.1082, 74.4553

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.



75.8589, 59.3730, 165.8045



53.7688, 59.3730, 10.8167



44.5264, 59.3730, 180.7561

Square

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



53.7688, 59.3730, 10.8167



31.1622, 59.3730, 72.7122



59.1822, 59.3730, 196.6616



92.6221, 59.3730, 57.2016

Rectangle

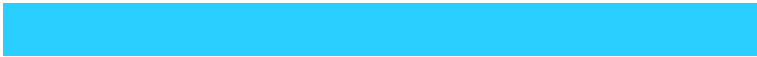
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.7688, 59.3730, 10.8167



34.9206, 59.3730, 26.4127



59.1822, 59.3730, 196.6616



85.3450, 59.3730, 128.6947

Sweetspot

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



53.7701, 59.3758, 10.8179



84.1475, 91.5307, 64.1534



33.9255, 18.5914, 7.5793



17.7199, 19.3476, 12.5910



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.



53.7701, 59.3758, 10.8179



67.2351, 73.2055, 10.7329



43.2456, 63.4299, 12.1551



15.4278, 16.4694, 15.2702



30.1156, 32.8053, 4.7448



2.2714, 2.5161, 0.3659

Inverse Universe

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



16.9659, 10.1082, 74.4553



18.8289, 8.6831, 95.2914



20.9077, 10.3902, 74.3019



13.7382, 14.1978, 18.1607



8.4125, 3.8872, 42.6901



0.6719, 0.3878, 3.1714

Previews

White Background



This preview shows how the XYZ color 53.7688, 59.3730, 10.8167 looks on a white background.

Color Contrast Check

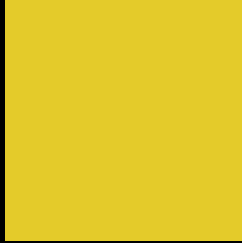
Large Text (above 18pt) WCAG AA × Fail

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 53.7688, 59.3730, 10.8167 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 53.7688, 59.3730, 10.8167

Background



This preview shows how black text looks on a background with the XYZ color 53.7688, 59.3730, 10.8167.



This preview shows how white text looks on a background with the XYZ color 53.7688, 59.3730,

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

53.7688, 59.3730, 10.8167

Protanopia

53.7688, 59.3730, 10.8167

Deuteranopia

60.6231, 59.1727, 11.0226



Tritanopia

64.6933, 59.1055, 65.1255

Trichromacy



Original Color

53.7688, 59.3730, 10.8167

Protanomaly

53.7688, 59.3730, 10.8167

Deuteranomaly

57.8893, 59.0896, 10.9391

Tritanomaly

58.6636, 58.2901, 34.9473

Monochromacy



Original Color

53.7688, 59.3730, 10.8167

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.4321, 54.2651, 31.5358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7688, 59.3730, 10.8167 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(228, 203, 42)` looks like.

```
.text, #text, p{  
    color:rgb(228, 203, 42)  
}
```

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(228, 203, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 203, 42) }
```

Border

The CSS property to change the border of an element to XYZ 53.7688, 59.3730, 10.8167 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(228, 203, 42) }
```


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

```
.border{ border-color:rgb(228, 203, 42) }
```

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

Here you see how a box with a 4 pixel rgb(228, 203, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 203, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 203, 42);  
box-shadow:4px 4px 4px 4px rgb(228, 203,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7688, 59.3730, 10.8167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 203, 42) }
```

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

```
.background{ background-color: rgb(228,  
203, 42) }
```

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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