

Converting Colors

XYZ(53.5690, 73.7807, 14.2091)

Have a look what the booklet for
XYZ(53.5690, 73.7807, 14.2091)
contains.

XYZ(53.6859, 73.8710, 14.2253)	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(53.6859, 73.8710,
14.2253)**

Conversions

Conversions Part 1

Format	Color
Hex	C1F030
RGB	193, 240, 48
RGB Percent	76%, 94%, 19%
CMY	0.2431, 0.0588, 0.8117
CMYK	0.20, 0.00, 0.80, 0.06
HSL	75°, 86%, 56%
HSV	75°, 80%, 94%
XYZ	53.6859, 73.8710, 14.2253
YIQ	204.0590, 33.6200, -69.6760

Conversions

Conversions Part 2

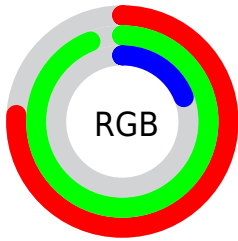
Format	Color
RYB	48, 240, 95
Decimal	12709936
CIELab	88.86, -38.68, 79.31
CIELCh	89, 88.240, 115.997
Yxy	73.8710, 0.3787, 0.5210
Android (android.graphics.Color)	4290900016 (0xFFC1F030)
YUV	204.0590, -76.9371, -9.6987
Hunter-Lab	85.9482, -38.9129, 50.3507

Details

The XYZ color **53.6859, 73.8710, 14.2253** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **21.5073, 10.8400, 83.4012**, and the grayscale version is **57.8905, 60.9053, 66.3258**.

A 20% lighter version of the original color is **79.1373, 93.5503, 28.9250**, and **26.9720, 39.3493, 6.1736** is the 20% darker color. If you saturate the color by 10%, you get **51.8504, 72.9698, 12.2164**, and if you desaturate by 10%, it is **55.8519, 74.9166, 17.6492**.

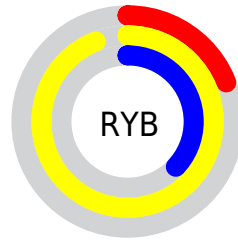
Distribution



Red (76%)

Green (94%)

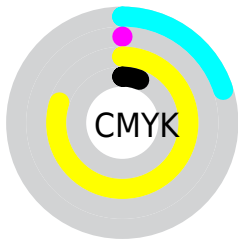
Blue (19%)



Red (19%)

Yellow (94%)

Blue (37%)

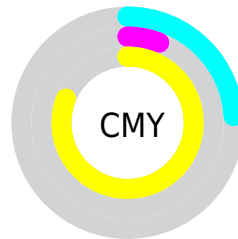


Cyan (20%)

Magenta (0%)

Yellow (80%)

Black (6%)



Cyan (24%)


Magenta (6%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6859, 73.8710, 14.2253 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 53.6859, 73.8710, 14.2253 by changing the saturation by 10% instead.


 53.6859, 73.8710,
14.2253


 53.6859, 73.8710,
14.2253


391.1290,
474.0280, 230.1049


 38.5803, 54.6885,
8.1370


 94.7725, 124.7129,
34.2111

 26.6126, 39.1523,
4.0937


 121.4842,
157.1411, 48.9457


 17.4176, 26.8783,
1.6769


 152.7953,
194.7533, 67.3995

 10.6298, 17.4818,
0.3448

 189.0711,
237.9339, 89.9910

 5.8839, 10.5786,
0.0000

 230.6770,
287.0672, 117.1387

 2.8146, 5.7842,
0.0000

277.9784,

 1.0565, 2.7143,

342.5378, 149.2613

0.0000

331.3406,
404.7299, 186.7772

■ 0.0000, 0.9845,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.6859, 73.8710,
14.2253

■ 53.6859, 73.8710,
14.2253

■ 51.8504, 72.9698,
12.2164

■ 55.8519, 74.9166,
17.6492

■ 50.2759, 72.1772,
11.2820

■ 58.3819, 76.1120,
22.6829

■ 50.2754, 72.1769,
11.2817

■ 61.3099, 77.4737,
29.4954

■ 64.6646, 79.0132,
38.2331

■ 68.4713, 80.7407,
49.0274

■ 72.7536, 82.6656,
61.9981

■ 77.5330, 84.7967,
77.2558

■ 82.8297, 87.1422,
94.9034

■ 87.1770, 89.1153,
107.2140

Harmonies

Analogous

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



73.1221, 73.8710, 10.8668



53.6859, 73.8710, 14.2253



41.3415, 73.8710, 30.9128

Triad

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



53.6859, 73.8710, 14.2253



49.6347, 73.8710, 222.8959



119.7412, 73.8710, 88.9375

Complementary

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



53.6859, 73.8710, 14.2253



21.5073, 10.8400, 83.4012

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.



110.1175, 73.8710, 165.9059



53.6859, 73.8710, 14.2253



67.3805, 73.8710, 264.3977

Square

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



53.6859, 73.8710, 14.2253



39.3575, 73.8710, 143.8853



89.8233, 73.8710, 239.5126



114.0381, 73.8710, 39.0675

Rectangle

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



53.6859, 73.8710, 14.2253



37.3932, 73.8710, 55.1689



89.8233, 73.8710, 239.5126



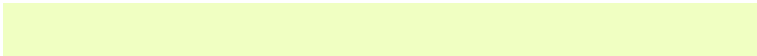
118.1472, 73.8710, 112.4279

Sweetspot

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



53.6876, 73.8743, 14.2269



81.4159, 93.9342, 64.7613



40.3683, 26.5349, 5.7914



17.0541, 19.9383, 12.7401



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.



53.6876, 73.8743, 14.2269



58.3386, 83.1532, 13.2683



36.8638, 65.2013, 13.4395



16.7228, 18.2528, 16.7915



27.6465, 39.5739, 6.1814



2.3889, 3.3380, 0.5184

Inverse Universe

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



21.5073, 10.8400, 83.4012



20.6962, 8.7485, 95.2056



37.7247, 19.2004, 84.1602



15.2597, 15.4156, 19.8928



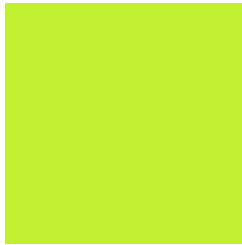
9.6899, 4.0007, 45.3894



0.8933, 0.3778, 3.7800

Previews

White Background



This preview shows how the XYZ color 53.6859, 73.8710, 14.2253 looks on a white background.

Color Contrast Check

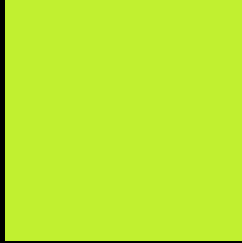
Large Text (above 18pt) WCAG AA × Fail

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 53.6859, 73.8710, 14.2253 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 53.6859, 73.8710, 14.2253

Background



This preview shows how black text looks on a background with the XYZ color 53.6859, 73.8710, 14.2253.



This preview shows how white text looks on a background with the XYZ color 53.6859, 73.8710,

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

53.6859, 73.8710, 14.2253

Protanopia

66.2666, 73.2812, 13.0349

Deuteranopia

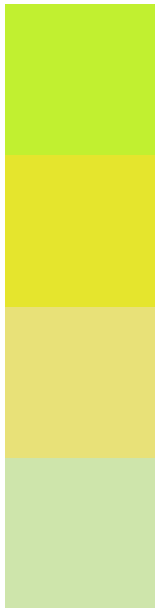
72.2289, 72.9449, 43.9911



Tritanopia

69.7054, 73.2724, 93.6882

Trichromacy



Original Color

53.6859, 73.8710, 14.2253

Protanomaly

60.8061, 72.8861, 13.3462

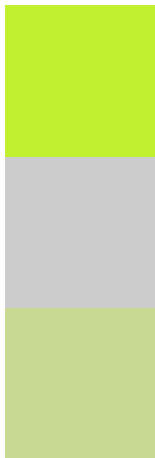
Deuteranomaly

63.5941, 72.3623, 28.3849

Tritanomaly

60.8236, 72.1007, 49.2392

Monochromacy



Original Color

53.6859, 73.8710, 14.2253

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

53.8987, 64.0117, 37.1185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6859, 73.8710, 14.2253 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(193, 240, 48)` looks like.

```
.text, #text, p{  
    color:rgb(193, 240, 48)  
}
```

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(193, 240, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 240, 48) }
```

Border

The CSS property to change the border of an element to XYZ 53.6859, 73.8710, 14.2253 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(193, 240, 48) }
```


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

```
.border{ border-color:rgb(193, 240, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 240, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 240, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 240, 48);  
box-shadow:4px 4px 4px 4px rgb(193, 240,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6859, 73.8710, 14.2253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 240, 48) }
```

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

```
.background{ background-color: rgb(193,  
240, 48) }
```

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