

Converting Colors

XYZ(59.7702, 76.3811, 14.8026)

Have a look what the booklet for
XYZ(59.7702, 76.3811, 14.8026)
contains.

XYZ(59.8052, 76.5799, 14.8781)	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(59.8052, 76.5799,
14.8781)**

Conversions

Conversions Part 1

Format	Color
Hex	D8EF34
RGB	216, 239, 52
RGB Percent	85%, 94%, 20%
CMY	0.1529, 0.0627, 0.7960
CMYK	0.10, 0.00, 0.78, 0.06
HSL	67°, 85%, 57%
HSV	67°, 78%, 94%
XYZ	59.8052, 76.5799, 14.8781
YIQ	210.8050, 46.3190, -63.0330

Conversions

Conversions Part 2

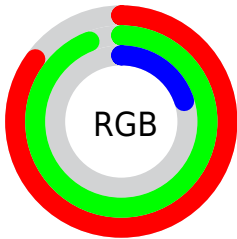
Format	Color
R _Y B	52, 239, 75
Decimal	14217012
CIE Lab	90.13, -28.99, 79.97
CIE LCh	90, 85.060, 109.930
Yxy	76.5799, 0.3954, 0.5063
Android (android.graphics.Color)	4292407092 (0xFFD8EF34)
YUV	210.8050, -78.2909, 4.5560
Hunter-Lab	87.5099, -31.1537, 51.1767

Details

The XYZ color **59.8052, 76.5799, 14.8781** 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 **19.7121, 10.1855, 82.5932**, and the grayscale version is **62.2695, 65.5124, 71.3430**.

A 20% lighter version of the original color is **80.0373, 93.9949, 29.8440**, and **30.8381, 41.0351, 6.2952** is the 20% darker color. If you saturate the color by 10%, you get **58.5367, 75.9759, 12.6850**, and if you desaturate by 10%, it is **61.3649, 77.3079, 18.5085**.

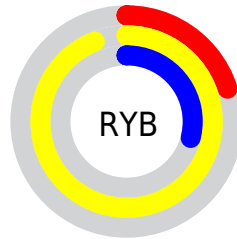
Distribution



Red (85%)

Green (94%)

Blue (20%)



Red (20%)

Yellow (94%)

Blue (29%)

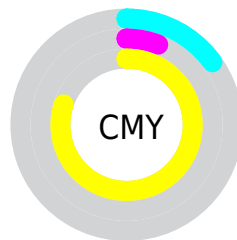


Cyan (10%)

Magenta (0%)

Yellow (78%)

Black (6%)



Cyan (15%)


Magenta (6%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8052, 76.5799, 14.8781 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 59.8052, 76.5799, 14.8781 by changing the saturation by 10% instead.


 59.8052, 76.5799,
14.8781


 59.8052, 76.5799,
14.8781


413.7256,
483.3305, 234.2425

 43.5105, 56.9081,
8.5882


 103.6550,
128.5463, 35.3785


 30.4821, 40.9315,
4.3805


 131.9408,
161.6097, 50.4260


 20.3547, 28.2656,
1.8363


 164.9543,
199.9058, 69.2299

 12.7629, 18.5259,
0.4517

 203.0610,
243.8190, 92.2085

 7.3414, 11.3282,
0.0000

 246.6261,
293.7337, 119.7806

 3.7247, 6.2881,
0.0000

296.0150,

 1.5476, 3.0210,

350.0342, 152.3646

0.0000

351.5930,
413.1050, 190.3791

■ 0.3579, 1.1427,
0.0000

■ 0.0000, 0.0142,
0.0000

■ 59.8052, 76.5799,
14.8781

■ 59.8052, 76.5799,
14.8781

■ 58.5367, 75.9759,
12.6850

■ 61.3649, 77.3079,
18.5085


■ 57.5033, 75.4648,
11.6562

■ 63.2469, 78.1637,
23.7619


■ 57.3330, 75.3797,
11.5280

■ 65.4836, 79.1633,
30.8015


■ 68.1021, 80.3174,
39.7691

 71.1267, 81.6358,
50.7926

 74.5797, 83.1274,
63.9887

 78.4817, 84.8004,
79.4654

 82.8519, 86.6626,
97.3236

 85.6958, 87.9161,
107.0606

Harmonies

Analogous

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



80.1198, 76.5799, 13.2981



59.8052, 76.5799, 14.8781



45.9267, 76.5799, 28.6930

Triad

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



59.8052, 76.5799, 14.8781



49.6534, 76.5799, 207.7802



120.5303, 76.5799, 105.4126

Complementary

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



59.8052, 76.5799, 14.8781



19.7121, 10.1855, 82.5932

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.



108.4899, 76.5799, 182.8718



59.8052, 76.5799, 14.8781



65.9157, 76.5799, 258.2742

Square

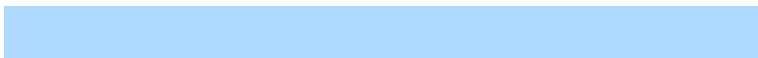
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.8052, 76.5799, 14.8781



40.8994, 76.5799, 129.6331



87.5231, 76.5799, 247.4376



118.0199, 76.5799, 49.6938

Rectangle

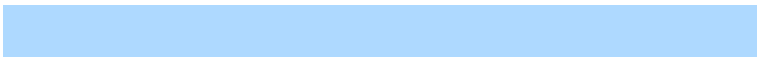
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.8052, 76.5799, 14.8781



40.9225, 76.5799, 49.5047



87.5231, 76.5799, 247.4376



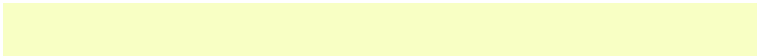
117.9730, 76.5799, 129.9922

Sweetspot

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



59.8070, 76.5834, 14.8797



84.3986, 95.4385, 66.4069



38.6558, 23.4740, 5.7433



17.7609, 20.2963, 13.0609



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.



59.8070, 76.5834, 14.8797



67.0586, 87.6448, 13.8460



39.7559, 66.2467, 13.9413



16.9203, 18.3546, 16.8007



31.7577, 41.6932, 6.3738



2.6952, 3.4959, 0.5327

Inverse Universe

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



19.7121, 10.1855, 82.5932



19.2981, 8.1233, 95.1586



32.8141, 16.9399, 83.2063



15.0779, 15.3219, 19.8843



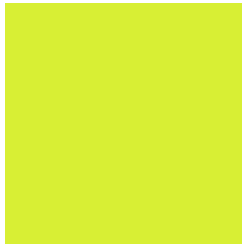
8.9539, 3.6213, 45.3549



0.8027, 0.3310, 3.7758

Previews

White Background



This preview shows how the XYZ color 59.8052, 76.5799, 14.8781 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 59.8052, 76.5799, 14.8781 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 59.8052, 76.5799, 14.8781

Background



This preview shows how black text looks on a background with the XYZ color 59.8052, 76.5799, 14.8781.



This preview shows how white text looks on a background with the XYZ color 59.8052, 76.5799,

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

59.8052, 76.5799, 14.8781

Protanopia

69.2635, 76.4199, 14.0057

Deuteranopia

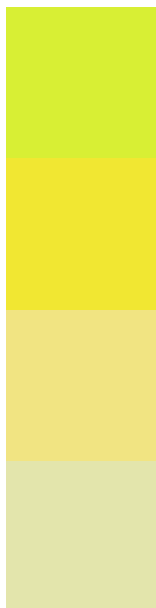
74.8343, 76.0680, 51.2958



Tritanopia

75.7201, 76.3903, 93.1920

Trichromacy



Original Color

59.8052, 76.5799, 14.8781

Protanomaly

65.4273, 76.0829, 14.2547

Deuteranomaly

68.0483, 75.7993, 32.1633

Tritanomaly

67.1443, 75.3481, 50.0345

Monochromacy



Original Color

59.8052, 76.5799, 14.8781

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

59.0468, 68.1589, 40.1809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8052, 76.5799, 14.8781 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(216, 239, 52)` looks like.

```
.text, #text, p{  
    color:rgb(216, 239, 52)  
}
```

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(216, 239, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 239, 52) }
```

Border

The CSS property to change the border of an element to XYZ 59.8052, 76.5799, 14.8781 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(216, 239, 52) }
```


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

```
.border{ border-color:rgb(216, 239, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 239, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 239, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 239, 52);  
box-shadow:4px 4px 4px 4px rgb(216, 239,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8052, 76.5799, 14.8781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 239, 52) }
```

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

```
.background{ background-color: rgb(216,  
239, 52) }
```

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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