

Converting Colors

XYZ(59.0464, 77.9044, 17.0792)

Have a look what the booklet for
XYZ(59.0464, 77.9044, 17.0792)
contains.

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Color

**XYZ(59.0464, 77.9044,
17.0792)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D0F342 |
| RGB | 208, 243, 66 |
| RGB Percent | 82%, 95%, 26% |
| CMY | 0.1843, 0.0470, 0.7412 |
| CMYK | 0.14, 0.00, 0.73, 0.05 |
| HSL | 72°, 88%, 61% |
| HSV | 72°, 73%, 95% |
| XYZ | 59.0464, 77.9044, 17.0792 |
| YIQ | 212.3570, 35.9570, -62.4670 |

Conversions

Conversions Part 2

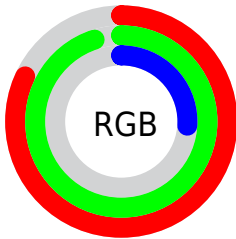
| Format | Color |
|-------------------------------------|---|
| RYB | 66, 243, 101 |
| Decimal | 13693762 |
| CIELab | 90.74, -33.44, 76.17 |
| CIELCh | 91, 83.183, 113.701 |
| Yxy | 77.9044, 0.3833, 0.5058 |
| Android (android.graphics.Color) | 4291883842 (0xFFD0F342) |
| YUV | 212.3570, -72.1540, -3.8211 |
| Hunter-Lab | 88.2635, -35.0483, 50.3117 |

Details

The XYZ color **59.0464, 77.9044, 17.0792** 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 **23.4954, 13.1361, 86.0958**, and the grayscale version is **63.2678, 66.5627, 72.4867**.

A 20% lighter version of the original color is **80.7017, 94.2607, 33.3427**, and **30.1647, 41.9302, 6.5035** is the 20% darker color. If you saturate the color by 10%, you get **57.1463, 76.9934, 14.0123**, and if you desaturate by 10%, it is **61.2951, 78.9652, 21.7528**.

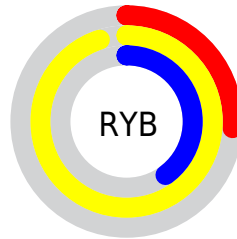
Distribution



Red (82%)

Green (95%)

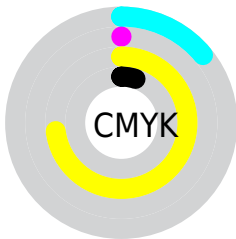
Blue (26%)



Red (26%)

Yellow (95%)

Blue (40%)

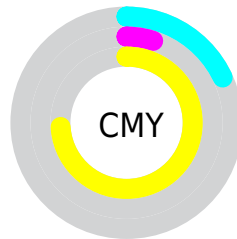


Cyan (14%)

Magenta (0%)

Yellow (73%)

Black (5%)



Cyan (18%)

Magenta (5%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.0464, 77.9044, 17.0792 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 59.0464, 77.9044, 17.0792 by changing the saturation by 10% instead.

■ 59.0464, 77.9044,
17.0792

■ 59.0464, 77.9044,
17.0792

410.9651,
487.8421, 247.6878

■ 42.8970, 57.9955,
10.1284

■ 102.5593,
130.4153, 39.2544

■ 29.9985, 41.8050,
5.3775

■ 130.6536,
163.7861, 55.3159

■ 19.9855, 28.9486,
2.4078

■ 163.4601,
202.4130, 75.2514

■ 12.4927, 19.0420,
0.7907

■ 201.3444,
246.6803, 99.4795

■ 7.1547, 11.7006,
0.0000

■ 244.6716,
296.9725, 128.4186

■ 3.6063, 6.5402,
0.0000

293.8073,

■ 1.4819, 3.1762,

353.6739, 162.4873

0.0000

349.1167,
417.1690, 202.1042

■ 0.3135, 1.2244,
0.0000

■ 0.0000, 0.0815,
0.0000

■ 59.0464, 77.9044,
17.0792

■ 59.0464, 77.9044,
17.0792

■ 57.1463, 76.9934,
14.0123

■ 61.2951, 78.9652,
21.7528


■ 55.5477, 76.2049,
12.3284


■ 63.9218, 80.1791,
28.2086


■ 54.5438, 75.6995,
11.7367


■ 66.9582, 81.5617,
36.6049


■ 70.4312, 83.1238,
47.0809

 74.3651, 84.8752,
59.7633

 78.7824, 86.8249,
74.7684

 83.7040, 88.9812,
92.2046

 88.2658, 90.9986,
107.5201

 89.9777, 91.8812,
107.6002

Harmonies

Analogous

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



78.5403, 77.9044, 14.1680



59.0464, 77.9044, 17.0792



46.1642, 77.9044, 33.3262

Triad

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



59.0464, 77.9044, 17.0792



52.7233, 77.9044, 215.4000



121.5709, 77.9044, 98.0809

Complementary

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



59.0464, 77.9044, 17.0792



23.4954, 13.1361, 86.0958

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.



111.3610, 77.9044, 172.7660



59.0464, 77.9044, 17.0792



69.7261, 77.9044, 258.2148

Square

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



59.0464, 77.9044, 17.0792



43.0224, 77.9044, 139.9702



91.3918, 77.9044, 239.7539



117.2460, 77.9044, 46.4806

Rectangle

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



59.0464, 77.9044, 17.0792



41.7993, 77.9044, 56.4650



91.3918, 77.9044, 239.7539



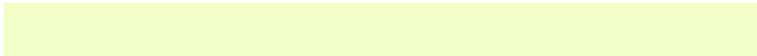
119.6718, 77.9044, 121.3746

Sweetspot

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



59.0482, 77.9079, 17.0808



83.3324, 94.8549, 67.8887



42.3582, 28.2702, 8.3794



17.5675, 20.1836, 13.6421



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.



59.0482, 77.9079, 17.0808



62.9359, 85.4978, 14.6355



41.0699, 68.6398, 16.2395



17.5748, 19.1384, 17.5653



30.0460, 41.6021, 6.4464



2.7207, 3.6976, 0.5703

Inverse Universe

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



23.4954, 13.1361, 86.0958



21.6607, 9.8949, 95.3760



38.6099, 20.9279, 86.8031



15.8871, 16.0845, 20.8098



9.6352, 3.9415, 46.7910



0.9264, 0.3875, 4.1162

Previews

White Background



This preview shows how the XYZ color 59.0464, 77.9044, 17.0792 looks on a white background.

Color Contrast Check

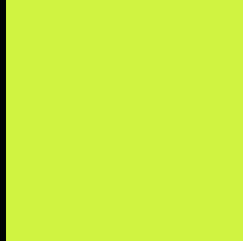
Large Text (above 18pt) WCAG AA × Fail

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 59.0464, 77.9044, 17.0792 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 59.0464, 77.9044, 17.0792

Background



This preview shows how black text looks on a background with the XYZ color 59.0464, 77.9044, 17.0792.

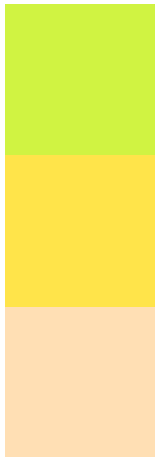


This preview shows how white text looks on a background with the XYZ color 59.0464, 77.9044, 17.0792.

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

59.0464, 77.9044, 17.0792

Protanopia

70.2194, 77.2412, 17.6867

Deuteranopia

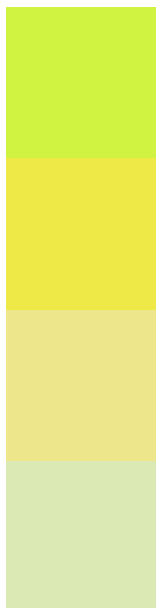
75.8659, 77.3306, 54.1078



Tritanopia

75.3145, 77.6995, 97.4142

Trichromacy



Original Color

59.0464, 77.9044, 17.0792

Protanomaly

65.5361, 76.9099, 17.3522

Deuteranomaly

68.2169, 76.6349, 35.6227

Tritanomaly

66.5905, 76.6332, 54.4620

Monochromacy



Original Color

59.0464, 77.9044, 17.0792

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

59.5097, 69.1274, 43.0073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0464, 77.9044, 17.0792 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(208, 243, 66)` looks like.

```
.text, #text, p{  
    color:rgb(208, 243, 66)  
}
```

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(208, 243, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 243, 66) }
```

Border

The CSS property to change the border of an element to XYZ 59.0464, 77.9044, 17.0792 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(208, 243, 66) }
```


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

```
.border{ border-color:rgb(208, 243, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 243, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 243, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 243, 66);  
box-shadow:4px 4px 4px 4px rgb(208, 243,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0464, 77.9044, 17.0792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 243, 66) }
```

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

```
.background{ background-color: rgb(208,  
243, 66) }
```

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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