

Converting Colors

XYZ(58.3146, 75.7383, 17.6917)

Have a look what the booklet for
XYZ(58.3146, 75.7383, 17.6917)
contains.

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Color

**XYZ(58.3307, 75.7562,
17.6789)**

Conversions

Conversions Part 1

Format	Color
Hex	D1EF48
RGB	209, 239, 72
RGB Percent	82%, 94%, 28%
CMY	0.1804, 0.0627, 0.7176
CMYK	0.13, 0.00, 0.70, 0.06
HSL	71°, 84%, 61%
HSV	71°, 70%, 94%
XYZ	58.3307, 75.7562, 17.6789
YIQ	210.9920, 35.7270, -58.2970

Conversions

Conversions Part 2

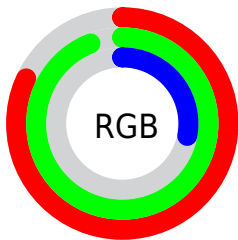
Format	Color
R_YB	72, 239, 102
Decimal	13758280
CIE Lab	89.75, -30.90, 73.21
CIE LCh	90, 79.465, 112.882
Yxy	75.7562, 0.3843, 0.4992
Android (android.graphics.Color)	4291948360 (0xFFD1EF48)
YUV	210.9920, -68.5231, -1.7470
Hunter-Lab	87.0380, -32.6904, 48.8838

Details

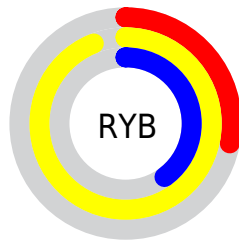
The XYZ color **58.3307, 75.7562, 17.6789** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **23.3794, 13.6933, 83.0767**, and the grayscale version is **62.3356, 65.5819, 71.4187**.

A 20% lighter version of the original color is **81.0293, 94.3917, 35.0678**, and **29.6960, 40.4463, 6.2418** is the 20% darker color. If you saturate the color by 10%, you get **56.4994, 74.8879, 14.2847**, and if you desaturate by 10%, it is **60.5011, 76.7694, 22.6729**.

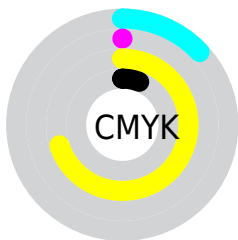
Distribution



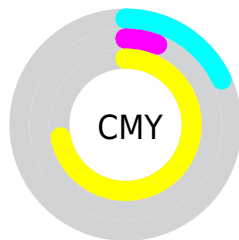
- Red (82%)
- Green (94%)
- Blue (28%)



- Red (28%)
- Yellow (94%)
- Blue (40%)



- Cyan (13%)
- Magenta (0%)
- Yellow (70%)
- Black (6%)



- Cyan (18%)
- Magenta (6%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3307, 75.7562, 17.6789 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 58.3307, 75.7562, 17.6789 by changing the saturation by 10% instead.

■ 58.3307, 75.7562,
17.6789

■ 58.3307, 75.7562,
17.6789

408.3511,
480.5127, 251.2299

■ 42.3189, 56.2326,
10.5527

■ 101.5245,
127.3822, 40.2959

■ 29.5432, 40.3895,
5.6565

■ 129.4371,
160.2535, 56.6238

■ 19.6385, 27.8423,
2.5720

■ 162.0474,
198.3427, 76.8560

■ 12.2393, 18.2068,
0.8779

■ 199.7207,
242.0343, 101.4109

■ 6.9802, 11.0986,
0.0000

■ 242.8224,
291.7127, 130.7073

■ 3.4959, 6.1332,
0.0000

291.7178,

■ 1.4211, 2.9262,

347.7624, 165.1635

0.0000

346.7722,
410.5675, 205.1982

0.2712, 1.0933,
0.0000

0.0000, 0.0000,
0.0000

58.3307, 75.7562,
17.6789

58.3307, 75.7562,
17.6789

56.4994, 74.8879,
14.2847

60.5011, 76.7694,
22.6729

54.9645, 74.1392,
12.2887


63.0372, 77.9299,
29.4275


53.6651, 73.4885,
11.3650


65.9682, 79.2522,
38.0888


53.6492, 73.4805,
11.3555


69.3193, 80.7464,
48.7867

 73.1130, 82.4216,
61.6397

 77.3704, 84.2862,
76.7570

 82.1111, 86.3480,
94.2406

 86.0030, 88.0743,
107.0749

 87.5054, 88.8489,
107.1453

Harmonies

Analogous

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



76.7719, 75.7562, 15.0762



58.3307, 75.7562, 17.6789



45.9555, 75.7562, 33.0180

Triad

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



58.3307, 75.7562, 17.6789



51.5851, 75.7562, 201.8414



116.2111, 75.7562, 96.5845

Complementary

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



58.3307, 75.7562, 17.6789



23.3794, 13.6933, 83.0767

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.



106.4019, 75.7562, 166.1904



58.3307, 75.7562, 17.6789



67.4377, 75.7562, 242.4689

Square

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



58.3307, 75.7562, 17.6789



42.5824, 75.7562, 131.9327



87.6627, 75.7562, 227.0946



112.5714, 75.7562, 47.2536

Rectangle

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



58.3307, 75.7562, 17.6789



41.6763, 75.7562, 54.6385



87.6627, 75.7562, 227.0946



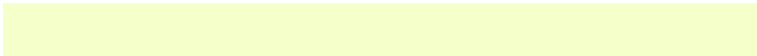
114.3253, 75.7562, 118.4778

Sweetspot

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



58.3325, 75.7596, 17.6805



84.1439, 95.2388, 69.4844



41.3102, 27.9032, 9.3404



17.7421, 20.2669, 13.9528



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.



58.3325, 75.7596, 17.6805



64.6274, 86.3559, 15.3417



40.8910, 66.7682, 16.8642



16.8281, 18.3071, 16.7964



29.7479, 40.6572, 6.2797



2.5466, 3.4194, 0.5258

Inverse Universe

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



23.3794, 13.6933, 83.0767



22.0844, 10.4667, 95.4640



37.5078, 20.9767, 83.7379



15.1621, 15.3653, 19.8883



9.2367, 3.7671, 45.3682



0.8424, 0.3515, 3.7777

Previews

White Background



This preview shows how the XYZ color 58.3307, 75.7562, 17.6789 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 58.3307, 75.7562, 17.6789 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 58.3307, 75.7562, 17.6789

Background



This preview shows how black text looks on a background with the XYZ color 58.3307, 75.7562, 17.6789.



This preview shows how white text looks on a background with the XYZ color 58.3307, 75.7562,

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

58.3307, 75.7562, 17.6789

Protanopia

68.3846, 75.5055, 16.4386

Deuteranopia

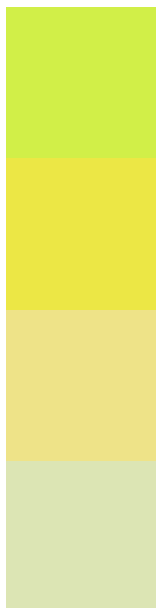
74.2796, 75.4250, 49.6732



Tritanopia

73.6289, 75.2950, 93.8718

Trichromacy



Original Color

58.3307, 75.7562, 17.6789

Protanomaly

64.2422, 75.4144, 16.8007

Deuteranomaly

67.1729, 74.8929, 34.2079

Tritanomaly

65.7727, 74.5496, 54.1029

Monochromacy



Original Color

58.3307, 75.7562, 17.6789

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

58.7800, 67.9526, 43.2758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3307, 75.7562, 17.6789 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(209, 239, 72)` looks like.

```
.text, #text, p{  
    color:rgb(209, 239, 72)  
}
```

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(209, 239, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 239, 72) }
```

Border

The CSS property to change the border of an element to XYZ 58.3307, 75.7562, 17.6789 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(209, 239, 72) }
```


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

```
.border{ border-color:rgb(209, 239, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 239, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 239, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 239, 72);  
box-shadow:4px 4px 4px 4px rgb(209, 239,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3307, 75.7562, 17.6789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 239, 72) }
```

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

```
.background{ background-color: rgb(209,  
239, 72) }
```

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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