

Converting Colors

XYZ(58.1986, 75.7984, 11.7068)

Have a look what the booklet for
XYZ(58.1986, 75.7984, 11.7068)
contains.

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Color

**XYZ(58.3345, 75.8901,
11.7173)**

Conversions

Conversions Part 1

Format	Color
Hex	D5EF05
RGB	213, 239, 5
RGB Percent	84%, 94%, 2%
CMY	0.1647, 0.0627, 0.9803
CMYK	0.11, 0.00, 0.98, 0.06
HSL	67°, 96%, 48%
HSV	67°, 98%, 94%
XYZ	58.3345, 75.8901, 11.7173
YIQ	204.5500, 59.6180, -78.2860

Conversions

Conversions Part 2

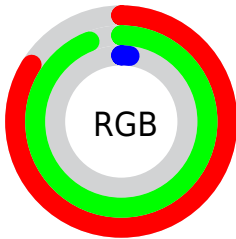
Format	Color
R_{YB}	5, 239, 31
Decimal	14020357
CIE _{Lab}	89.81, -31.16, 87.30
CIE _{LCh}	90, 92.692, 109.642
Yxy	75.8901, 0.3997, 0.5200
Android (android.graphics.Color)	4292210437 (0xFFD5EF05)
YUV	204.5500, -98.3781, 7.4107
Hunter-Lab	87.1149, -32.9227, 53.0057

Details

The XYZ color **58.3345, 75.8901, 11.7173** 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 **16.2019, 6.6336, 82.0925**, and the grayscale version is **58.3251, 61.3626, 66.8238**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **30.0704, 40.6393, 6.2593** is the 20% darker color. If you saturate the color by 10%, you get **58.1466, 75.7990, 11.5660**, and if you desaturate by 10%, it is **59.3066, 76.3715, 12.7736**.

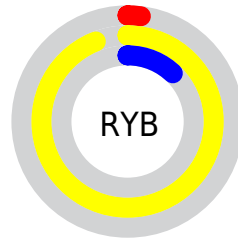
Distribution



Red (84%)

Green (94%)

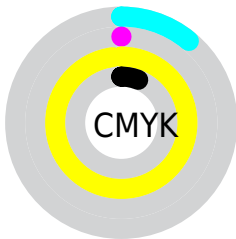
Blue (2%)



Red (2%)

Yellow (94%)

Blue (12%)

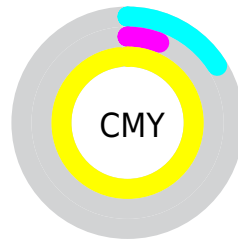


Cyan (11%)

Magenta (0%)

Yellow (98%)

Black (6%)



Cyan (16%)


Magenta (6%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3345, 75.8901, 11.7173 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 58.3345, 75.8901, 11.7173 by changing the saturation by 10% instead.


 58.3345, 75.8901,
11.7173

 58.3345, 75.8901,
11.7173


408.3650,
480.9714, 213.4357

 42.3219, 56.3424,
6.4313


 101.5300,
127.5715, 29.6358

 29.5457, 40.4775,
3.0361


 129.4436,
160.4741, 43.1054


 19.6403, 27.9110,
1.1131


 162.0549,
198.5970, 60.1400

 12.2406, 18.2586,
0.0000

 199.7294,
242.3247, 81.1580

 6.9811, 11.1358,
0.0000

 242.8322,
292.0416, 106.5780

 3.4965, 6.1583,
0.0000

 291.7289,

 1.4215, 2.9416,

348.1321, 136.8186

0.0000

346.7847,
410.9806, 172.2984

■ 0.2714, 1.1013,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3345, 75.8901,
11.7173

■ 58.3345, 75.8901,
11.7173

■ 58.1466, 75.7990,
11.5660

■ 59.3066, 76.3715,
12.7736

■ 60.5141, 76.9457,
15.0111

■ 62.0080, 77.6359,
18.6897

■ 63.8241, 78.4566,
23.9988

■ 65.9932, 79.4199,
31.0991

■ 68.5421, 80.5366,
40.1321

■ 71.4950, 81.8164,
51.2249

■ 74.8740, 83.2682,
64.4941

■ 78.6999, 84.9002,
80.0474

Harmonies

Analogous

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



80.3309, 75.8901, 10.3401



58.3345, 75.8901, 11.7173



43.5402, 75.8901, 24.9614

Triad

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



58.3345, 75.8901, 11.7173



47.2356, 75.8901, 220.5689



124.6203, 75.8901, 107.4086

Complementary

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



58.3345, 75.8901, 11.7173



16.2019, 6.6336, 82.0925

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.



111.1029, 75.8901, 193.9734



58.3345, 75.8901, 11.7173



64.5095, 75.8901, 278.7804

Square

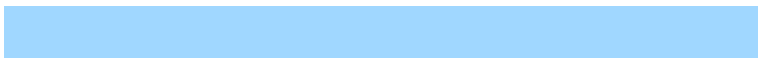
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.3345, 75.8901, 11.7173



38.1333, 75.8901, 132.6142



87.9480, 75.8901, 267.0777



121.9861, 75.8901, 47.1116

Rectangle

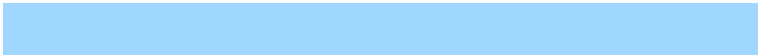
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.3345, 75.8901, 11.7173



38.2561, 75.8901, 46.1031



87.9480, 75.8901, 267.0777



121.7198, 75.8901, 134.6496

Sweetspot

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



58.3362, 75.8936, 11.7189



82.3859, 94.5925, 57.6589



36.0518, 19.2140, 1.9531



17.3133, 20.1079, 11.1270



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.



58.3362, 75.8936, 11.7189



67.3301, 87.7950, 13.3975



36.0004, 64.3790, 10.6736



16.9398, 18.3646, 16.8016



32.2012, 41.9219, 6.3945



2.7277, 3.5127, 0.5343

Inverse Universe

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



16.2019, 6.6336, 82.0925



18.5384, 7.4718, 95.0729



27.3863, 12.3994, 82.6159



15.0604, 15.3128, 19.8835



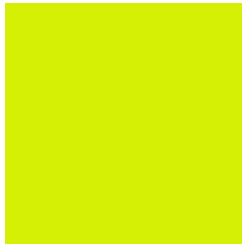
8.9067, 3.5970, 45.3527



0.7943, 0.3267, 3.7754

Previews

White Background



This preview shows how the XYZ color 58.3345, 75.8901, 11.7173 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 58.3345, 75.8901, 11.7173 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 58.3345, 75.8901, 11.7173

Background



This preview shows how black text looks on a background with the XYZ color 58.3345, 75.8901, 11.7173.



This preview shows how white text looks on a background with the XYZ color 58.3345, 75.8901,

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

58.3345, 75.8901, 11.7173

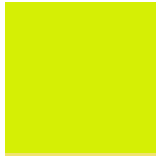
Deuteranopia

74.1839, 75.3867, 49.1692

Tritanopia

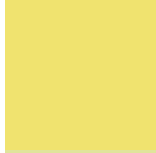
74.8044, 75.5227, 93.0728

Trichromacy



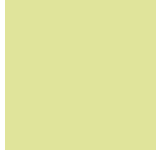
Original Color

58.3345, 75.8901, 11.7173



Deuteranomaly

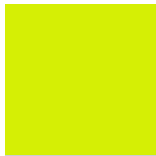
66.2735, 74.6111, 25.9473



Tritanomaly

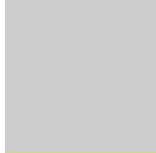
64.4003, 73.7007, 41.8417

Monochromacy



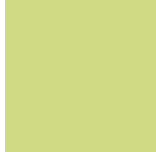
Original Color

58.3345, 75.8901, 11.7173



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

54.9901, 64.7015, 31.4202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3345, 75.8901, 11.7173 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(213, 239, 5)` looks like.

```
.text, #text, p{  
    color:rgb(213, 239, 5)  
}
```

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(213, 239, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 239, 5) }
```

Border

The CSS property to change the border of an element to XYZ 58.3345, 75.8901, 11.7173 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(213, 239, 5) }
```

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

```
.border{ border-color:rgb(213, 239, 5) }
```

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

Here you see how a box with a 4 pixel rgb(213, 239, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 239, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 239, 5);  
box-shadow:4px 4px 4px 4px rgb(213, 239,  
5) }
```


Background

The CSS property to change the background color of an element to XYZ 58.3345, 75.8901, 11.7173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 239, 5) }
```

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

```
.background{ background-color: rgb(213,  
239, 5) }
```

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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