

Converting Colors

XYZ(56.3225, 77.8650, 12.9431)

Have a look what the booklet for
XYZ(56.3225, 77.8650, 12.9431)
contains.

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Color

**XYZ(56.4093, 77.9832,
12.9433)**

Conversions

Conversions Part 1

Format	Color
Hex	C6F618
RGB	198, 246, 24
RGB Percent	78%, 96%, 9%
CMY	0.2235, 0.0353, 0.9058
CMYK	0.20, 0.00, 0.90, 0.04
HSL	73°, 93%, 53%
HSV	73°, 90%, 96%
XYZ	56.4093, 77.9832, 12.9433
YIQ	206.3400, 42.6540, -79.2180

Conversions

Conversions Part 2

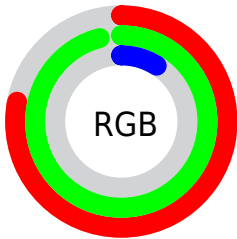
Format	Color
R _{YB}	24, 246, 72
Decimal	13039128
CIE _{Lab}	90.77, -40.04, 85.75
CIE _{LCh}	91, 94.639, 115.029
Y _{xy}	77.9832, 0.3829, 0.5293
Android (android.graphics.Color)	4291229208 (0xFFC6F618)
Y _{UV}	206.3400, -89.8936, -7.3142
Hunter-Lab	88.3081, -40.5172, 53.1255

Details

The XYZ color **56.4093, 77.9832, 12.9433** 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 **19.6368, 8.6869, 87.8352**, and the grayscale version is **59.4268, 62.5216, 68.0860**.

A 20% lighter version of the original color is **79.2521, 93.6809, 25.7096**, and **29.0609, 42.3159, 6.6361** is the 20% darker color. If you saturate the color by 10%, you get **54.9001, 77.2269, 12.0127**, and if you desaturate by 10%, it is **58.2196, 78.8750, 15.0197**.

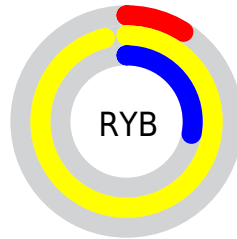
Distribution



Red (78%)

Green (96%)

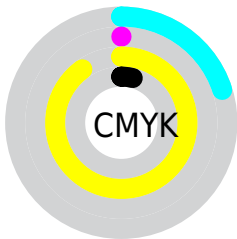
Blue (9%)



Red (9%)

Yellow (96%)

Blue (28%)

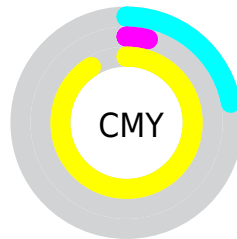


Cyan (20%)

Magenta (0%)

Yellow (90%)

Black (4%)



Cyan (22%)


Magenta (4%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4093, 77.9832, 12.9433 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 56.4093, 77.9832, 12.9433 by changing the saturation by 10% instead.


 56.4093, 77.9832,
12.9433


 56.4093, 77.9832,
12.9433


401.2822,
488.1098, 221.7490

 40.7695, 58.0602,
7.2592


 98.7391, 130.5264,
31.8916

 28.3259, 41.8570,
3.5439


 126.1598,
163.9154, 45.9929


 18.7132, 28.9894,
1.3786


 158.2381,
202.5619, 63.7370

 11.5660, 19.0728,
0.1249

 195.3395,
246.8502, 85.5425

 6.5190, 11.7229,
0.0000

 237.8292,
297.1647, 111.8279

 3.2068, 6.5553,
0.0000

 286.0727,

 1.2640, 3.1856,

353.8899, 143.0118

0.0000

340.4352,
417.4101, 179.5126

■ 0.1560, 1.2294,
0.0000

■ 0.0000, 0.0855,
0.0000

■ 56.4093, 77.9832,
12.9433

■ 56.4093, 77.9832,
12.9433

■ 54.9001, 77.2269,
12.0127

■ 58.2196, 78.8750,
15.0197

■ 60.3600, 79.9018,
18.5829

■ 62.8734, 81.0835,
23.8478

■ 65.7941, 82.4341,
30.9931

■ 69.1523, 83.9656,
40.1750

■ 72.9750, 85.6888,
51.5332

■ 77.2869, 87.6137,
65.1953

■ 82.1107, 89.7495,
81.2790

■ 87.4677, 92.1046,
99.8939

Harmonies

Analogous

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



78.1536, 77.9832, 9.8584



56.4093, 77.9832, 12.9433



42.6103, 77.9832, 29.7967

Triad

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



56.4093, 77.9832, 12.9433



50.8803, 77.9832, 243.7749



129.6437, 77.9832, 96.7700

Complementary

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



56.4093, 77.9832, 12.9433



19.6368, 8.6869, 87.8352

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.



118.2588, 77.9832, 184.2561



56.4093, 77.9832, 12.9433



70.2289, 77.9832, 293.5962

Square

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



56.4093, 77.9832, 12.9433



39.9294, 77.9832, 153.2393



95.1983, 77.9832, 267.4209



123.7514, 77.9832, 40.6828

Rectangle

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



56.4093, 77.9832, 12.9433



38.1414, 77.9832, 55.3753



95.1983, 77.9832, 267.4209



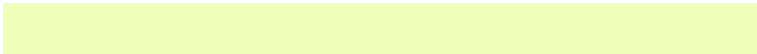
127.6507, 77.9832, 123.4306

Sweetspot

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



56.4111, 77.9867, 12.9449



80.6116, 93.6162, 60.3591



40.2655, 23.8447, 3.3454



16.9256, 19.8905, 11.8999



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.



56.4111, 77.9867, 12.9449



59.5405, 83.7793, 13.0329



37.3991, 68.1857, 12.0552



17.5435, 19.1222, 17.5639



29.4257, 41.2823, 6.4174



2.6712, 3.6721, 0.5680

Inverse Universe

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



19.6368, 8.6869, 87.8352



19.6335, 8.0363, 95.1241



35.6477, 16.9408, 88.5845



15.9161, 16.0994, 20.8112



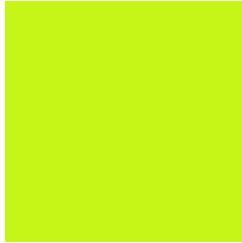
9.7640, 4.0078, 46.7970



0.9417, 0.3953, 4.1169

Previews

White Background



This preview shows how the XYZ color 56.4093, 77.9832, 12.9433 looks on a white background.

Color Contrast Check

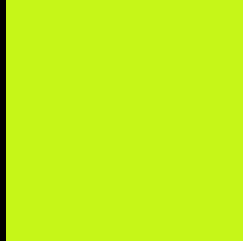
Large Text (above 18pt) WCAG AA × Fail

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 56.4093, 77.9832, 12.9433 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 56.4093, 77.9832, 12.9433

Background



This preview shows how black text looks on a background with the XYZ color 56.4093, 77.9832, 12.9433.



This preview shows how white text looks on a background with the XYZ color 56.4093, 77.9832,

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

56.4093, 77.9832, 12.9433

Protanopia

70.1207, 77.2017, 17.1669

Deuteranopia

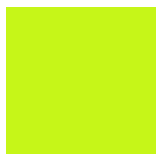
75.7644, 77.2900, 53.5731



Tritanopia

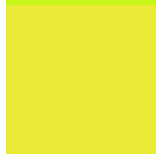
73.7213, 77.6594, 99.0999

Trichromacy



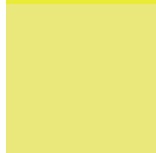
Original Color

56.4093, 77.9832, 12.9433



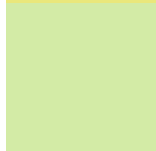
Protanomaly

64.3059, 77.1754, 14.9971



Deuteranomaly

66.0827, 76.0743, 29.9398



Tritanomaly

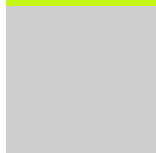
63.4552, 76.0187, 47.4050

Monochromacy



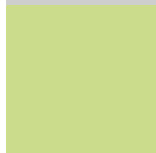
Original Color

56.4093, 77.9832, 12.9433



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

55.2187, 66.3029, 34.6983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4093, 77.9832, 12.9433 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(198, 246, 24)` looks like.

```
.text, #text, p{  
    color:rgb(198, 246, 24)  
}
```

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(198, 246, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 246, 24) }
```

Border

The CSS property to change the border of an element to XYZ 56.4093, 77.9832, 12.9433 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(198, 246, 24) }
```


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

```
.border{ border-color:rgb(198, 246, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 246, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 246, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 246, 24);  
box-shadow:4px 4px 4px 4px rgb(198, 246,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4093, 77.9832, 12.9433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 246, 24) }
```

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

```
.background{ background-color: rgb(198,  
246, 24) }
```

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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