

Converting Colors

XYZ(40.4908, 74.1641, 12.9752)

Have a look what the booklet for
XYZ(40.4908, 74.1641, 12.9752)
contains.

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Color

**XYZ(40.3283, 73.8572,
12.9410)**

Conversions

Conversions Part 1

Format	Color
Hex	5CFF17
RGB	92, 255, 23
RGB Percent	36%, 100%, 9%
CMY	0.6392, 0.0000, 0.9097
CMYK	0.64, 0.00, 0.91, 0.00
HSL	102°, 100%, 55%
HSV	102°, 91%, 100%
XYZ	40.3283, 73.8572, 12.9410
YIQ	179.8150, -22.6760, -106.7080

Conversions

Conversions Part 2

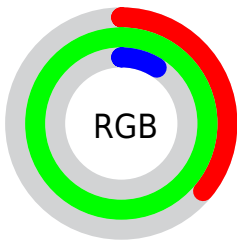
Format	Color
R_{YB}	23, 255, 186
Decimal	6094615
CIE _{Lab}	88.85, -76.24, 82.45
CIE _{LCh}	89, 112.301, 132.760
Yxy	73.8572, 0.3172, 0.5810
Android (android.graphics.Color)	4284284695 (0xFF5CFF17)
YUV	179.8150, -77.3098, -77.0138
Hunter-Lab	85.9402, -66.6325, 51.2302

Details

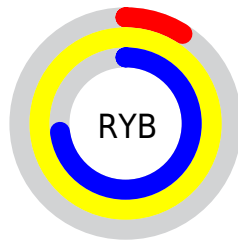
The XYZ color **40.3283, 73.8572, 12.9410** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed green. A complement of this color would be **38.6121, 18.2756, 96.1002**, and the grayscale version is **43.6950, 45.9706, 50.0619**.

A 20% lighter version of the original color is **52.5093, 79.8944, 24.4580**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **38.7264, 73.0493, 12.0588**, and if you desaturate by 10%, it is **42.7245, 75.0474, 15.0870**.

Distribution



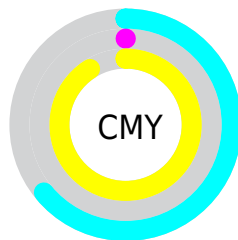
- Red (36%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (73%)



- Cyan (64%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)





- Cyan (64%)
- Magenta (0%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3283, 73.8572, 12.9410 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 40.3283, 73.8572, 12.9410 by changing the saturation by 10% instead.


 40.3283, 73.8572,
12.9410


 40.3283, 73.8572,
12.9410


338.6161,
473.9804, 221.7337


 27.9800, 54.6772,
7.2577


 74.9443, 124.6934,
31.8874

 18.4509, 39.1433,
3.5429


 97.9428, 157.1183,
45.9875


 11.3759, 26.8712,
1.3781


 125.2219,
194.7269, 63.7303

 6.3894, 17.4765,
0.1245

 157.1471,
237.9038, 85.5344

 3.1262, 10.5748,
0.0000

 194.0838,
287.0331, 111.8182

 1.2208, 5.7817,
0.0000

 236.3973,

 0.1227, 2.7128,

342.4994, 143.0004

0.0000

284.4530,
404.6870, 179.4994

■ 0.0000, 0.9837,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.3283, 73.8572,
12.9410

■ 40.3283, 73.8572,
12.9410

■ 38.7264, 73.0493,
12.0588

■ 42.7245, 75.0474,
15.0870

■ 45.8741, 76.5911,
18.8483

■ 49.8473, 78.5192,
24.4642

■ 54.7050, 80.8587,
32.1336

60.5015, 83.6339,
42.0294

67.2863, 86.8669,
54.3065

75.1056, 90.5784,
69.1060

84.0020, 94.7876,
86.5577

94.0160, 99.5127,
106.7828

Harmonies

Analogous

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



59.2641, 73.8572, 4.9244



40.3283, 73.8572, 12.9410



31.1440, 73.8572, 43.6777

Triad

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



40.3283, 73.8572, 12.9410



55.8045, 73.8572, 325.2570



134.6016, 73.8572, 51.6514

Complementary

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



40.3283, 73.8572, 12.9410



38.6121, 18.2756, 96.1002

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.



132.9743, 73.8572, 133.5122



40.3283, 73.8572, 12.9410



82.4026, 73.8572, 333.0144

Square

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



40.3283, 73.8572, 12.9410



38.3624, 73.8572, 231.1079



112.0564, 73.8572, 248.2590



116.0534, 73.8572, 15.5496

Rectangle

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



40.3283, 73.8572, 12.9410



29.8307, 73.8572, 87.8525



112.0564, 73.8572, 248.2590



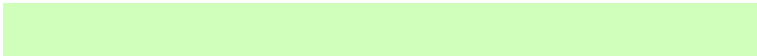
136.5114, 73.8572, 73.4151

Sweetspot

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



40.3285, 73.8572, 12.9421



70.2656, 88.2826, 59.8749



58.8290, 56.1903, 8.5570



14.4894, 18.6346, 11.7859



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.



40.3285, 73.8572, 12.9421



38.7264, 73.0493, 12.0588



37.2011, 72.1373, 17.6617



18.2792, 20.4298, 19.1243



20.3651, 38.2367, 6.3071



2.0870, 3.7767, 0.6190

Inverse Universe

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



38.6121, 18.2756, 96.1002



36.6814, 16.8248, 95.9219



53.0065, 26.4576, 62.3782



18.2359, 18.0133, 22.7657



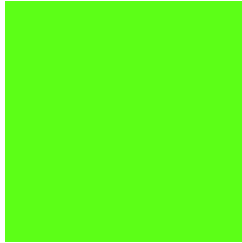
19.3242, 8.8725, 50.1286



1.9915, 0.9206, 4.8860

Previews

White Background



This preview shows how the XYZ color 40.3283, 73.8572, 12.9410 looks on a white background.

Color Contrast Check

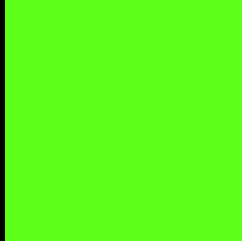
Large Text (above 18pt) WCAG AA × Fail

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 40.3283, 73.8572, 12.9410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

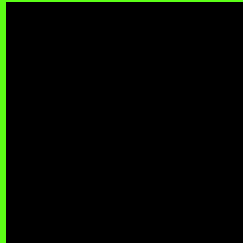
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.3283, 73.8572, 12.9410

Background



This preview shows how black text looks on a background with the XYZ color 40.3283, 73.8572, 12.9410.



This preview shows how white text looks on a background with the XYZ color 40.3283, 73.8572,

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

40.3283, 73.8572, 12.9410

Protanopia

65.1882, 72.3823, 10.5354

Deuteranopia

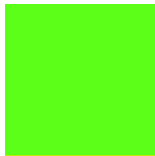
71.5412, 72.2612, 41.6297



Tritanopia

59.3187, 73.4511, 105.6588

Trichromacy



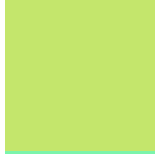
Original Color

40.3283, 73.8572, 12.9410



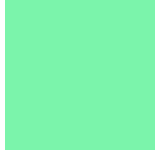
Protanomaly

51.2049, 70.0696, 11.0557



Deuteranomaly

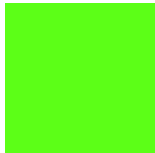
53.7685, 69.4121, 24.7513



Tritanomaly

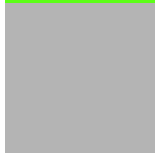
47.8697, 71.8526, 49.8740

Monochromacy



Original Color

40.3283, 73.8572, 12.9410



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.1007, 52.3516, 26.8356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3283, 73.8572, 12.9410 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(92, 255, 23)` looks like.

```
.text, #text, p{  
    color:rgb(92, 255, 23)  
}
```

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(92, 255, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 255, 23) }
```

Border

The CSS property to change the border of an element to XYZ 40.3283, 73.8572, 12.9410 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(92, 255, 23) }
```


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

```
.border{ border-color:rgb(92, 255, 23) }
```

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

Here you see how a box with a 4 pixel rgb(92, 255, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 255, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 255, 23);  
box-shadow:4px 4px 4px 4px rgb(92, 255,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3283, 73.8572, 12.9410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 255, 23) }
```

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

```
.background{ background-color: rgb(92, 255,  
23) }
```

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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