

Converting Colors

XYZ(35.8103, 71.5401, 12.1846)

Have a look what the booklet for
XYZ(35.8103, 71.5401, 12.1846)
contains.

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Color

**XYZ(35.8093, 71.5397,
12.1797)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF09
RGB	0, 255, 9
RGB Percent	0%, 100%, 4%
CMY	1.0000, 0.0000, 0.9645
CMYK	1.00, 0.00, 0.96, 0.00
HSL	122°, 100%, 50%
HSV	122°, 100%, 100%
XYZ	35.8093, 71.5397, 12.1797
YIQ	150.7110, -73.0140, -130.5660

Conversions

Conversions Part 2

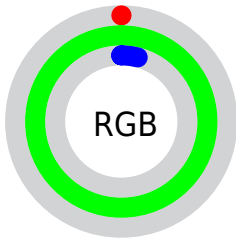
Format	Color
RYB	0, 246, 255
Decimal	65289
CIELab	87.75, -86.06, 82.51
CIELCh	88, 119.222, 136.207
Yxy	71.5397, 0.2996, 0.5985
Android (android.graphics.Color)	4278255369 (0xFF00FF09)
YUV	150.7110, -69.8635, -132.1735
Hunter-Lab	84.5811, -72.4451, 50.6690

Details

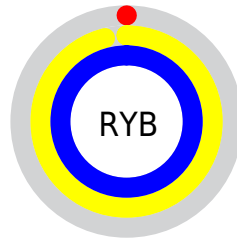
The XYZ color **35.8093, 71.5397, 12.1797** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **57.8682, 27.9113, 89.4931**, and the grayscale version is **29.6055, 31.1473, 33.9194**.

A 20% lighter version of the original color is **45.5261, 76.3212, 22.9217**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8095, 71.5398, 12.1808**, and if you desaturate by 10%, it is **36.4569, 71.8465, 13.4324**.

Distribution



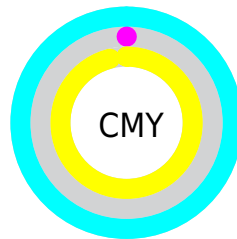
- Red (0%)
- Green (100%)
- Blue (4%)



- Red (0%)
- Yellow (96%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8093, 71.5397, 12.1797 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 35.8093, 71.5397, 12.1797 by changing the saturation by 10% instead.


 35.8093, 71.5397,
12.1797


 35.8093, 71.5397,
12.1797


319.5721,
465.9379, 216.6113


 24.4564, 52.7828,
6.7422


 68.0634, 121.4019,
30.4913

 15.7991, 37.6294,
3.2254


 89.6953, 153.2759,
44.2023


 9.4720, 25.6952,
1.2108


 115.4843,
190.2911, 61.5084

 5.1099, 16.5957,
0.0000

 145.7956,
232.8318, 82.8278

 2.3473, 9.9467,
0.0000

 180.9947,
281.2824, 108.5793

 0.8187, 5.3636,
0.0000

 221.4469,

 0.0000, 2.4621,

336.0274, 139.1814

0.0000

267.5176,
397.4511, 175.0525

■ 0.0000, 0.8576,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8093, 71.5397,
12.1797

■ 35.8093, 71.5397,
12.1797

■ 35.8095, 71.5398,
12.1808

■ 36.4569, 71.8465,
13.4324

■ 37.8949, 72.5317,
16.0369

■ 40.3351, 73.6990,
20.2484

■ 43.9157, 75.4153,
26.2694

■ 48.7533, 77.7370,
34.2724

■ 54.9500, 80.7135,
44.4100

■ 62.5973, 84.3892,
56.8199

■ 71.7791, 88.8043,
71.6282

■ 82.5726, 93.9963,
88.9519

Harmonies

Analogous

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



53.9185, 71.5397, 3.6334



35.8093, 71.5397, 12.1797



27.6748, 71.5397, 46.3492

Triad

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



35.8093, 71.5397, 12.1797



55.8371, 71.5397, 348.1943



134.7304, 71.5397, 42.0077

Complementary

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



35.8093, 71.5397, 12.1797



57.8682, 27.9113, 89.4931

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.



135.6682, 71.5397, 121.2413



35.8093, 71.5397, 12.1797



84.3333, 71.5397, 343.6054

Square

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



35.8093, 71.5397, 12.1797



36.8764, 71.5397, 253.0927



115.2935, 71.5397, 243.0484



113.0047, 71.5397, 10.8819

Rectangle

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



35.8093, 71.5397, 12.1797



26.9943, 71.5397, 95.9781



115.2935, 71.5397, 243.0484



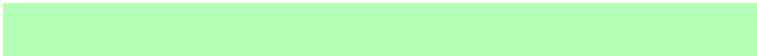
137.6580, 71.5397, 62.2383

Sweetspot

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



35.8095, 71.5398, 12.1808



62.5973, 84.3892, 56.8199



73.9417, 91.2034, 13.7069



12.6692, 17.7122, 10.9808



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.



35.8095, 71.5398, 12.1808



40.2039, 73.2976, 35.3214



17.7977, 20.1786, 19.2375



18.7225, 37.3856, 6.4241



1.8317, 3.6436, 0.6717

Inverse Universe

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



57.8682, 27.9113, 89.4931



44.5698, 22.5919, 19.4643



18.7632, 18.2886, 22.6362



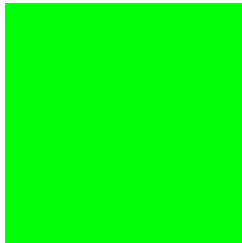
30.2498, 14.5892, 46.8273



2.9537, 1.4238, 4.6035

Previews

White Background



This preview shows how the XYZ color 35.8093, 71.5397, 12.1797 looks on a white background.

Color Contrast Check

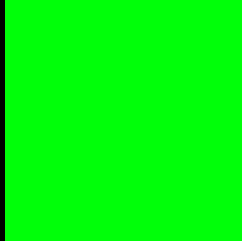
Large Text (above 18pt) WCAG AA × Fail

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 35.8093, 71.5397, 12.1797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

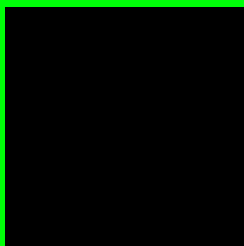
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8093, 71.5397, 12.1797

Background



This preview shows how black text looks on a background with the XYZ color 35.8093, 71.5397, 12.1797.



This preview shows how white text looks on a background with the XYZ color 35.8093, 71.5397,

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

35.8093, 71.5397, 12.1797

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

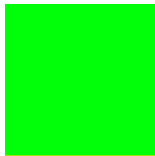
69.4922, 69.8317, 35.8028



Tritanopia

54.8555, 70.7216, 105.3672

Trichromacy



Original Color

35.8093, 71.5397, 12.1797



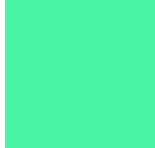
Protanomaly

42.4970, 64.3265, 10.2626



Deuteranomaly

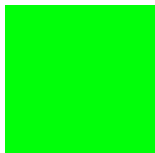
44.3898, 63.4277, 20.4929



Tritanomaly

41.6060, 68.2321, 47.0536

Monochromacy



Original Color

35.8093, 71.5397, 12.1797



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

25.2736, 39.7828, 18.1512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8093, 71.5397, 12.1797 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(0, 255, 9)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 9)  
}
```

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(0, 255, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 9) }
```

Border

The CSS property to change the border of an element to XYZ 35.8093, 71.5397, 12.1797 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(0, 255, 9) }
```

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

```
.border{ border-color:rgb(0, 255, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 255, 9); box-shadow:4px  
4px 4px 4px rgb(0, 255, 9) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8093, 71.5397, 12.1797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 9) }
```

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

```
.background{ background-color: rgb(0, 255,  
9) }
```

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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