

Converting Colors

XYZ(35.8702, 71.5692, 12.2690)

Have a look what the booklet for
XYZ(35.8702, 71.5692, 12.2690)
contains.

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Color

**XYZ(35.8764, 71.5724,
12.2718)**

Conversions

Conversions Part 1

Format	Color
Hex	04FF0C
RGB	4, 255, 12
RGB Percent	2%, 100%, 5%
CMY	0.9843, 0.0000, 0.9528
CMYK	0.98, 0.00, 0.95, 0.00
HSL	122°, 100%, 51%
HSV	122°, 98%, 100%
XYZ	35.8764, 71.5724, 12.2718
YIQ	152.2490, -71.5930, -128.7850

Conversions

Conversions Part 2

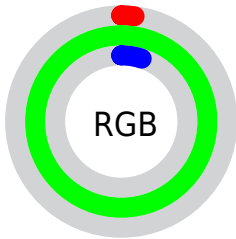
Format	Color
RYB	4, 247, 255
Decimal	327436
CIELab	87.76, -85.90, 82.29
CIELCh	88, 118.959, 136.230
Yxy	71.5724, 0.2997, 0.5978
Android (android.graphics.Color)	4278517516 (0xFF04FF0C)
YUV	152.2490, -69.1428, -130.0144
Hunter-Lab	84.6005, -72.3546, 50.6200

Details

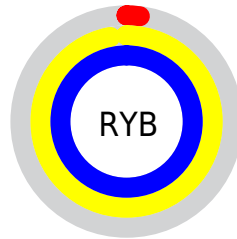
The XYZ color **35.8764, 71.5724, 12.2718** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **58.0656, 28.0596, 90.3187**, and the grayscale version is **30.2658, 31.8420, 34.6759**.

A 20% lighter version of the original color is **45.5713, 76.3393, 23.1596**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8048, 71.5379, 12.1557**, and if you desaturate by 10%, it is **36.6103, 71.9203, 13.6796**.

Distribution



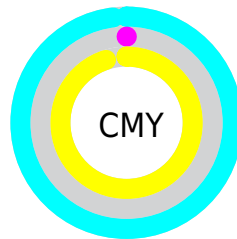
- Red (2%)
- Green (100%)
- Blue (5%)



- Red (2%)
- Yellow (97%)
- Blue (100%)



- Cyan (98%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)





- Cyan (98%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8764, 71.5724, 12.2718 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 35.8764, 71.5724, 12.2718 by changing the saturation by 10% instead.


 35.8764, 71.5724,
12.2718


 35.8764, 71.5724,
12.2718

319.8607,
466.0519, 217.2379


 24.5084, 52.8095,
6.8043


 68.1664, 121.4484,
30.6609

 15.8380, 37.6507,
3.2634


 89.8191, 153.3302,
44.4197


 9.4997, 25.7117,
1.2307


 115.6307,
190.3538, 61.7792

 5.1282, 16.6081,
0.0039

 145.9667,
232.9036, 83.1580

 2.3582, 9.9555,
0.0000

 181.1923,
281.3639, 108.9748

 0.8242, 5.3694,
0.0000

 221.6729,

 0.0000, 2.4656,

336.1191, 139.6480

0.0000

267.7739,
397.5536, 175.5962

■ 0.0000, 0.8593,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8764, 71.5724,
12.2718

■ 35.8764, 71.5724,
12.2718


■ 35.8048, 71.5379,
12.1557


■ 36.6103, 71.9203,
13.6796


■ 38.1884, 72.6733,
16.4864


■ 40.7933, 73.9203,
20.9400


■ 44.5597, 75.7264,
27.2401

 49.6019, 78.1469,
35.5580

 56.0205, 81.2303,
46.0456

 63.9061, 85.0205,
58.8402

 73.3416, 89.5574,
74.0677

 84.4037, 94.8781,
91.8450

Harmonies

Analogous

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



53.9563, 71.5724, 3.6831



35.8764, 71.5724, 12.2718



27.7530, 71.5724, 46.4739

Triad

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



35.8764, 71.5724, 12.2718



55.9074, 71.5724, 347.4274



134.5888, 71.5724, 42.0562

Complementary

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



35.8764, 71.5724, 12.2718



58.0656, 28.0596, 90.3187

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.



135.5413, 71.5724, 121.1004



35.8764, 71.5724, 12.2718



84.3541, 71.5724, 342.7711

Square

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



35.8764, 71.5724, 12.2718



36.9624, 71.5724, 252.7201



115.2356, 71.5724, 242.5249



112.9107, 71.5724, 10.9469

Rectangle

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



35.8764, 71.5724, 12.2718



27.0766, 71.5724, 96.0456



115.2356, 71.5724, 242.5249



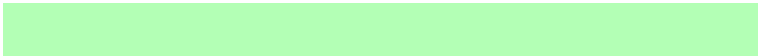
137.5137, 71.5724, 62.2491

Sweetspot

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



35.8766, 71.5724, 12.2729



62.5705, 84.3784, 56.6783



75.4995, 92.0039, 13.8940



12.6631, 17.7098, 10.9488



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.



35.8766, 71.5724, 12.2729



35.8048, 71.5379, 12.1557



40.0908, 73.2581, 34.4649



17.7951, 20.1776, 19.2243



18.7189, 37.3842, 6.4052



1.8305, 3.6431, 0.6654

Inverse Universe

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



58.0656, 28.0596, 90.3187



58.0025, 27.9650, 90.2003



45.0051, 22.8354, 21.5430



18.7661, 18.2897, 22.6512



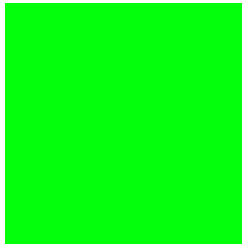
30.3188, 14.6168, 47.1908



2.9596, 1.4262, 4.6348

Previews

White Background



This preview shows how the XYZ color 35.8764, 71.5724, 12.2718 looks on a white background.

Color Contrast Check

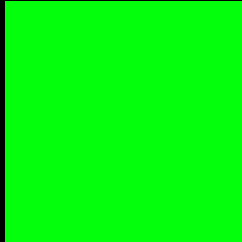
Large Text (above 18pt) WCAG AA × Fail

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 35.8764, 71.5724, 12.2718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

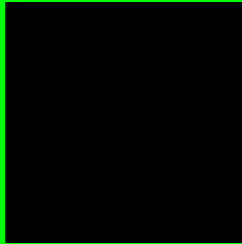
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

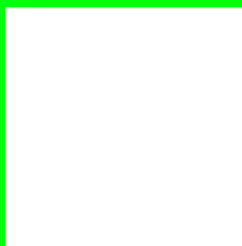
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8764, 71.5724, 12.2718

Background



This preview shows how black text looks on a background with the XYZ color 35.8764, 71.5724, 12.2718.



This preview shows how white text looks on a background with the XYZ color 35.8764, 71.5724,

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

35.8764, 71.5724, 12.2718

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

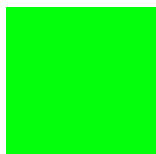
69.4922, 69.8317, 35.8028



Tritanopia

54.8555, 70.7216, 105.3672

Trichromacy



Original Color

35.8764, 71.5724, 12.2718



Protanomaly

42.6984, 64.4297, 10.3006



Deuteranomaly

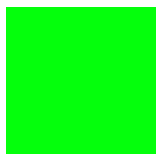
44.8445, 63.6569, 20.7499



Tritanomaly

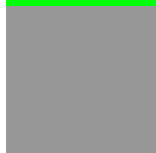
41.7733, 68.3077, 47.5422

Monochromacy



Original Color

35.8764, 71.5724, 12.2718



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

25.5836, 39.9314, 18.6711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8764, 71.5724, 12.2718 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(4, 255, 12)` looks like.

```
.text, #text, p{  
    color:rgb(4, 255, 12)  
}
```

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(4, 255, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 255, 12) }
```

Border

The CSS property to change the border of an element to XYZ 35.8764, 71.5724, 12.2718 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(4, 255, 12) }
```


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

```
.border{ border-color:rgb(4, 255, 12) }
```

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

Here you see how a box with a 4 pixel rgb(4, 255, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 255, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 255, 12);  
box-shadow:4px 4px 4px 4px rgb(4, 255, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.8764, 71.5724, 12.2718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 255, 12) }
```

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

```
.background{ background-color: rgb(4, 255,  
12) }
```

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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