

Converting Colors

XYZ(35.8354, 71.5502, 12.3170)

Have a look what the booklet for
XYZ(35.8354, 71.5502, 12.3170)
contains.

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Color

**XYZ(35.8326, 71.5491,
12.3025)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF0D
RGB	0, 255, 13
RGB Percent	0%, 100%, 5%
CMY	1.0000, 0.0000, 0.9489
CMYK	1.00, 0.00, 0.95, 0.00
HSL	123°, 100%, 50%
HSV	123°, 100%, 100%
XYZ	35.8326, 71.5491, 12.3025
YIQ	151.1670, -74.2980, -129.3220

Conversions

Conversions Part 2

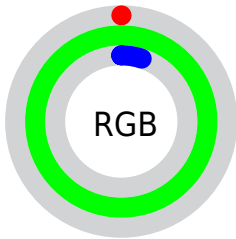
Format	Color
RYB	0, 243, 255
Decimal	65293
CIELab	87.75, -86.00, 82.19
CIELCh	88, 118.962, 136.297
Yxy	71.5491, 0.2994, 0.5978
Android (android.graphics.Color)	4278255373 (0xFF00FF0D)
YUV	151.1670, -68.1163, -132.5735
Hunter-Lab	84.5867, -72.4106, 50.5874

Details

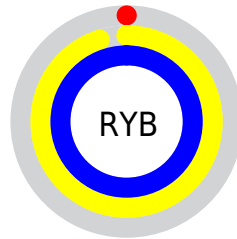
The XYZ color **35.8326, 71.5491, 12.3025** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **57.2623, 27.6689, 86.3021**, and the grayscale version is **29.7944, 31.3460, 34.1358**.

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 **35.8329, 71.5491, 12.3036**, and if you desaturate by 10%, it is **36.5109, 71.8681, 13.7167**.

Distribution



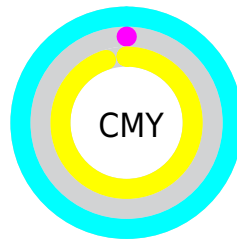
- Red (0%)
- Green (100%)
- Blue (5%)



- Red (0%)
- Yellow (95%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8326, 71.5491, 12.3025 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 35.8326, 71.5491, 12.3025 by changing the saturation by 10% instead.


 35.8326, 71.5491,
12.3025


 35.8326, 71.5491,
12.3025


319.6723,
465.9707, 217.4463


 24.4744, 52.7904,
6.8250


 68.0992, 121.4153,
30.7175

 15.8126, 37.6355,
3.2761


 89.7383, 153.2915,
44.4920


 9.4816, 25.6999,
1.2373


 115.5351,
190.3091, 61.8693

 5.1163, 16.5993,
0.0096

 145.8550,
232.8524, 83.2679

 2.3511, 9.9492,
0.0000

 181.0633,
281.3058, 109.1064

 0.8206, 5.3653,
0.0000

 221.5254,

 0.0000, 2.4631,

336.0537, 139.8032

0.0000

267.6066,
397.4806, 175.7770

■ 0.0000, 0.8581,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8326, 71.5491,
12.3025

■ 35.8326, 71.5491,
12.3025

■ 35.8329, 71.5491,
12.3036

■ 36.5109, 71.8681,
13.7167

■ 37.9790, 72.5653,
16.4800

■ 40.4449, 73.7429,
20.8266

■ 44.0441, 75.4666,
26.9454

■ 48.8912, 77.7922,
34.9986

■ 55.0867, 80.7683,
45.1303

■ 62.7209, 84.4386,
57.4707

■ 71.8762, 88.8431,
72.1396

■ 82.6289, 94.0188,
89.2481

Harmonies

Analogous

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



53.8845, 71.5491, 3.6862



35.8326, 71.5491, 12.3025



27.7319, 71.5491, 46.5818

Triad

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



35.8326, 71.5491, 12.3025



55.9423, 71.5491, 347.4840



134.5272, 71.5491, 41.9223

Complementary

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



35.8326, 71.5491, 12.3025



57.2623, 27.6689, 86.3021

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.



135.5318, 71.5491, 120.8285



35.8326, 71.5491, 12.3025



84.3998, 71.5491, 342.5724

Square

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



35.8326, 71.5491, 12.3025



36.9780, 71.5491, 252.9468



115.2681, 71.5491, 242.1927



112.8158, 71.5491, 10.9053

Rectangle

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



35.8326, 71.5491, 12.3025



27.0679, 71.5491, 96.2265



115.2681, 71.5491, 242.1927



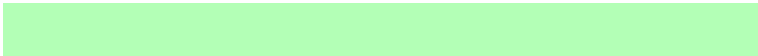
137.4687, 71.5491, 62.0702

Sweetspot

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



35.8329, 71.5491, 12.3036



62.7209, 84.4386, 57.4707



72.4638, 90.4415, 13.6377



12.6972, 17.7234, 11.1281



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.



35.8329, 71.5491, 12.3036



40.5121, 73.4208, 36.9441



17.8092, 20.1832, 19.2982



18.7389, 37.3922, 6.5104



1.8372, 3.6458, 0.7004

Inverse Universe

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



57.2623, 27.6689, 86.3021



44.3201, 22.4921, 18.1498



18.7502, 18.2834, 22.5677



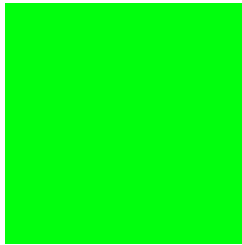
29.9382, 14.4646, 45.1868



2.9268, 1.4131, 4.4620

Previews

White Background



This preview shows how the XYZ color 35.8326, 71.5491, 12.3025 looks on a white background.

Color Contrast Check

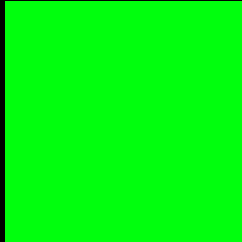
Large Text (above 18pt) WCAG AA × Fail

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 35.8326, 71.5491, 12.3025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

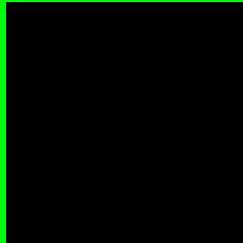
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

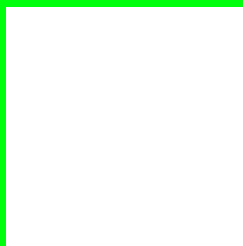
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8326, 71.5491, 12.3025

Background



This preview shows how black text looks on a background with the XYZ color 35.8326, 71.5491, 12.3025.



This preview shows how white text looks on a background with the XYZ color 35.8326, 71.5491,

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

35.8326, 71.5491, 12.3025

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

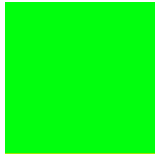
69.4922, 69.8317, 35.8028



Tritanopia

54.8555, 70.7216, 105.3672

Trichromacy



Original Color

35.8326, 71.5491, 12.3025



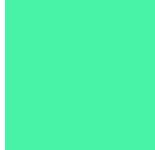
Protanomaly

42.5079, 64.3309, 10.3203



Deuteranomaly

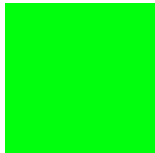
44.4807, 63.4641, 20.9717



Tritanomaly

41.6981, 68.2689, 47.5387

Monochromacy



Original Color

35.8326, 71.5491, 12.3025



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

25.3704, 39.8216, 18.6611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8326, 71.5491, 12.3025 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 13) }
```

Border

The CSS property to change the border of an element to XYZ 35.8326, 71.5491, 12.3025 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, 13) }
```

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

```
.border{ border-color:rgb(0, 255, 13) }
```

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, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 13);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 13)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.8326, 71.5491, 12.3025 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, 13) }
```

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

```
.background{ background-color: rgb(0, 255,  
13) }
```

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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