

Converting Colors

XYZ(36.6426, 72.0653, 12.1589)

Have a look what the booklet for
XYZ(36.6426, 72.0653, 12.1589)
contains.

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Color

**XYZ(36.5922, 71.9452,
12.1305)**

Conversions

Conversions Part 1

Format	Color
Hex	26FF06
RGB	38, 255, 6
RGB Percent	15%, 100%, 2%
CMY	0.8510, 0.0000, 0.9763
CMYK	0.85, 0.00, 0.98, 0.00
HSL	112°, 100%, 51%
HSV	112°, 98%, 100%
XYZ	36.5922, 71.9452, 12.1305
YIQ	161.7310, -49.4030, -123.4430

Conversions

Conversions Part 2

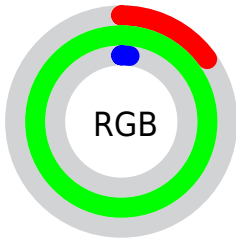
Format	Color
RYB	6, 255, 223
Decimal	2555654
CIELab	87.94, -84.29, 82.98
CIELCh	88, 118.278, 135.451
Yxy	71.9452, 0.3032, 0.5962
Android (android.graphics.Color)	4280745734 (0xFF26FF06)
YUV	161.7310, -76.7754, -108.5121
Hunter-Lab	84.8205, -71.4297, 50.8951

Details

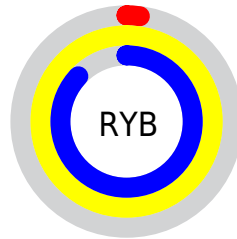
The XYZ color **36.5922, 71.9452, 12.1305** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **48.5590, 23.0453, 96.4966**, and the grayscale version is **34.5835, 36.3846, 39.6228**.

A 20% lighter version of the original color is **46.8336, 76.9953, 22.9829**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.3788, 71.8390, 11.9490**, and if you desaturate by 10%, it is **37.8917, 72.5895, 13.3480**.

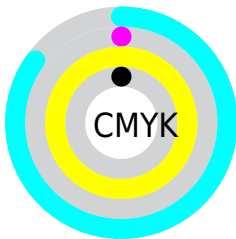
Distribution



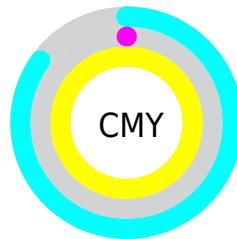
- Red (15%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (87%)



- Cyan (85%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5922, 71.9452, 12.1305 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 36.5922, 71.9452, 12.1305 by changing the saturation by 10% instead.


 36.5922, 71.9452,
12.1305


 36.5922, 71.9452,
12.1305


322.9279,
467.3508, 216.2758


 25.0641, 53.1139,
6.7090


 69.2631, 121.9786,
30.4005

 16.2538, 37.8937,
3.2051


 91.1365, 153.9495,
44.0861


 9.7959, 25.9002,
1.2003


 117.1892,
191.0691, 61.3635

 5.3251, 16.7490,
0.0000

 147.7864,
233.7218, 82.6511

 2.4759, 10.0557,
0.0000

 183.2936,
282.2919, 108.3677

 0.8831, 5.4359,
0.0000

 224.0759,

 0.0000, 2.5052,

337.1638, 138.9316

0.0000

270.4989,
398.7220, 174.7615

■ 0.0000, 0.8793,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.5922, 71.9452,
12.1305

■ 36.5922, 71.9452,
12.1305

■ 36.3788, 71.8390,
11.9490

■ 37.8917, 72.5895,
13.3480

■ 40.0187, 73.6300,
15.9788

■ 43.0917, 75.1213,
20.3193

■ 47.2072, 77.1083,
26.5936

■ 52.4495, 79.6304,
34.9919

■ 58.8942, 82.7228,
45.6817

■ 66.6101, 86.4178,
58.8138

■ 75.6609, 90.7453,
74.5262

■ 86.1059, 95.7330,
92.9463

Harmonies

Analogous

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



54.9447, 71.9452, 3.7736



36.5922, 71.9452, 12.1305



28.2149, 71.9452, 45.4749

Triad

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



36.5922, 71.9452, 12.1305



55.6588, 71.9452, 344.7970



134.9919, 71.9452, 43.8548

Complementary

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



36.5922, 71.9452, 12.1305



48.5590, 23.0453, 96.4966

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.



135.3392, 71.9452, 124.1180



36.5922, 71.9452, 12.1305



83.8483, 71.9452, 343.1040

Square

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



36.5922, 71.9452, 12.1305



36.9906, 71.9452, 249.0103



114.6938, 71.9452, 245.2997



113.8456, 71.9452, 11.6399

Rectangle

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



36.5922, 71.9452, 12.1305



27.3961, 71.9452, 94.0119



114.6938, 71.9452, 245.2997



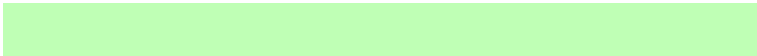
137.7046, 71.9452, 64.5075

Sweetspot

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



36.5924, 71.9453, 12.1316



65.4769, 85.8755, 56.8676



67.3427, 73.4124, 10.7941



13.2925, 18.0351, 10.9389



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.



36.5924, 71.9453, 12.1316



36.3788, 71.8390, 11.9490



38.0084, 72.4281, 23.3656



17.9882, 20.2798, 19.1107



19.0753, 37.5718, 6.2467



1.9218, 3.6915, 0.6112

Inverse Universe

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



48.5590, 23.0453, 96.4966



48.2550, 22.7913, 96.4636



47.9806, 24.0611, 37.1023



18.5497, 18.1751, 22.7804



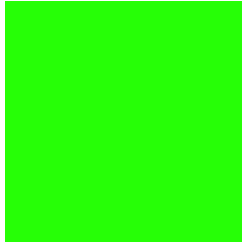
25.3041, 11.9552, 50.4085



2.5250, 1.1956, 4.9110

Previews

White Background



This preview shows how the XYZ color 36.5922, 71.9452, 12.1305 looks on a white background.

Color Contrast Check

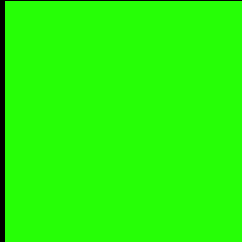
Large Text (above 18pt) WCAG AA × Fail

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 36.5922, 71.9452, 12.1305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

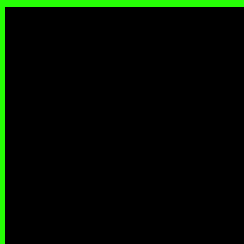
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.5922, 71.9452, 12.1305

Background



This preview shows how black text looks on a background with the XYZ color 36.5922, 71.9452, 12.1305.



This preview shows how white text looks on a background with the XYZ color 36.5922, 71.9452,

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

36.5922, 71.9452, 12.1305

Protanopia

63.3376, 70.2559, 10.2225

Deuteranopia

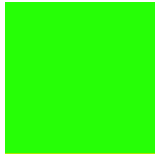
69.6451, 69.8929, 36.6080



Tritanopia

55.5167, 71.0625, 105.3981

Trichromacy



Original Color

36.5922, 71.9452, 12.1305



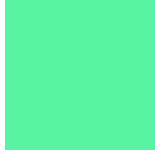
Protanomaly

45.4451, 66.2637, 10.4524



Deuteranomaly

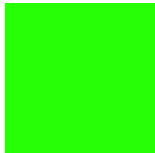
47.3940, 64.9764, 20.6335



Tritanomaly

42.8713, 68.9054, 46.1625

Monochromacy



Original Color

36.5922, 71.9452, 12.1305



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

29.6258, 44.2817, 20.3504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5922, 71.9452, 12.1305 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(38, 255, 6)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 6)  
}
```

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(38, 255, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 6) }
```

Border

The CSS property to change the border of an element to XYZ 36.5922, 71.9452, 12.1305 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(38, 255, 6) }
```


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

```
.border{ border-color:rgb(38, 255, 6) }
```

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

Here you see how a box with a 4 pixel rgb(38, 255, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 6);  
box-shadow:4px 4px 4px 4px rgb(38, 255, 6)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.5922, 71.9452, 12.1305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 6) }
```

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

```
.background{ background-color: rgb(38, 255,  
6) }
```

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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