

Converting Colors

XYZ(36.8980, 72.1042, 12.0856)

Have a look what the booklet for
XYZ(36.8980, 72.1042, 12.0856)
contains.

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Color

**XYZ(36.9086, 72.1096,
12.0881)**

Conversions

Conversions Part 1

Format	Color
Hex	2EFF04
RGB	46, 255, 4
RGB Percent	18%, 100%, 2%
CMY	0.8196, 0.0000, 0.9842
CMYK	0.82, 0.00, 0.98, 0.00
HSL	110°, 100%, 51%
HSV	110°, 98%, 100%
XYZ	36.9086, 72.1096, 12.0881
YIQ	163.8950, -43.9930, -122.3690

Conversions

Conversions Part 2

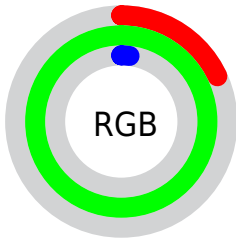
Format	Color
RYB	4, 255, 213
Decimal	3079940
CIELab	88.02, -83.59, 83.22
CIELCh	88, 117.953, 135.124
Yxy	72.1096, 0.3048, 0.5954
Android (android.graphics.Color)	4281270020 (0xFF2EFF04)
YUV	163.8950, -78.8282, -103.3939
Hunter-Lab	84.9174, -71.0219, 51.0022

Details

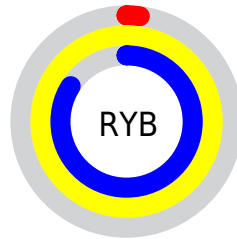
The XYZ color **36.9086, 72.1096, 12.0881** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **45.5457, 21.4596, 96.3493**, and the grayscale version is **35.6172, 37.4720, 40.8070**.

A 20% lighter version of the original color is **47.2515, 77.2158, 22.7697**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.7411, 72.0258, 11.9659**, and if you desaturate by 10%, it is **38.3194, 72.8130, 13.2323**.

Distribution



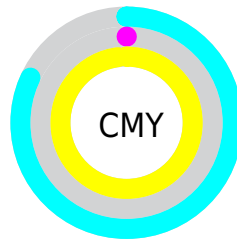
- Red (18%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (84%)



- Cyan (82%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9086, 72.1096, 12.0881 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 36.9086, 72.1096, 12.0881 by changing the saturation by 10% instead.


 36.9086, 72.1096,
12.0881


 36.9086, 72.1096,
12.0881


324.2770,
467.9230, 215.9862

 25.3101, 53.2482,
6.6804


 69.7469, 122.2123,
30.3223


 16.4382, 38.0010,
3.1877


 91.7175, 154.2225,
43.9858


 9.9276, 25.9834,
1.1912


 117.8760,
191.3843, 61.2384

 5.4129, 16.8112,
0.0000

 148.5880,
234.0823, 82.4987

 2.5287, 10.1000,
0.0000

 184.2187,
282.7007, 108.1850

 0.9098, 5.4653,
0.0000

 225.1336,

 0.0000, 2.5228,

337.6241, 138.7160

0.0000

271.6979,
399.2367, 174.5103

■ 0.0000, 0.8880,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.9086, 72.1096,
12.0881

■ 36.9086, 72.1096,
12.0881


■ 36.7411, 72.0258,
11.9659


■ 38.3194, 72.8130,
13.2323


■ 40.5198, 73.8940,
15.7466


■ 43.6221, 75.4035,
19.9493


■ 47.7150, 77.3823,
26.0675

 52.8762, 79.8662,
34.2934

 59.1751, 82.8875,
44.7955

 66.6756, 86.4758,
57.7255

 75.4364, 90.6582,
73.2221

 85.5124, 95.4603,
91.4133

Harmonies

Analogous

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



55.3713, 72.1096, 3.8212



36.9086, 72.1096, 12.0881



28.4252, 72.1096, 45.0826

Triad

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



36.9086, 72.1096, 12.0881



55.5685, 72.1096, 343.5683



135.1391, 72.1096, 44.6349

Complementary

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



36.9086, 72.1096, 12.0881



45.5457, 21.4596, 96.3493

Split Complementary

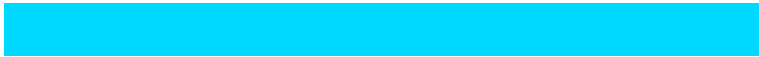
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



135.2348, 72.1096, 125.3768



36.9086, 72.1096, 12.0881



83.6422, 72.1096, 343.1025

Square

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



36.9086, 72.1096, 12.0881



37.0187, 72.1096, 247.4036



114.4590, 72.1096, 246.3821



114.2253, 72.1096, 11.9519

Rectangle

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



36.9086, 72.1096, 12.0881



27.5465, 72.1096, 93.1806



114.4590, 72.1096, 246.3821



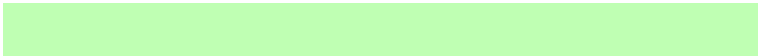
137.7621, 72.1096, 65.4752

Sweetspot

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



36.9088, 72.1097, 12.0892



65.4053, 85.8686, 55.5102



64.0602, 66.8650, 9.6459



13.3081, 18.0488, 10.6854



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.



36.9088, 72.1097, 12.0892



36.7411, 72.0258, 11.9659



37.3916, 72.1785, 20.2482



18.0545, 20.3140, 19.1138



19.2803, 37.6775, 6.2563



1.9529, 3.7075, 0.6127

Inverse Universe

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



45.5457, 21.4596, 96.3493



45.3064, 21.2712, 96.3256



49.0737, 24.4636, 42.9657



18.4770, 18.1376, 22.7770



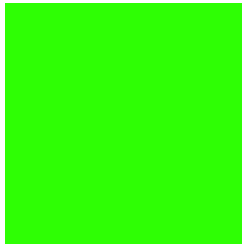
23.7838, 11.1715, 50.3373



2.3913, 1.1267, 4.9047

Previews

White Background



This preview shows how the XYZ color 36.9086, 72.1096, 12.0881 looks on a white background.

Color Contrast Check

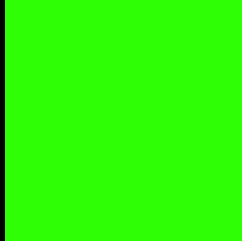
Large Text (above 18pt) WCAG AA × Fail

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 36.9086, 72.1096, 12.0881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

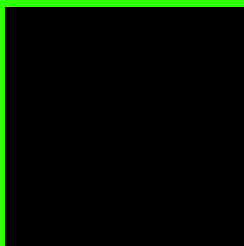
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9086, 72.1096, 12.0881

Background



This preview shows how black text looks on a background with the XYZ color 36.9086, 72.1096, 12.0881.



This preview shows how white text looks on a background with the XYZ color 36.9086, 72.1096,

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

36.9086, 72.1096, 12.0881

Protanopia

63.3376, 70.2559, 10.2225

Deuteranopia

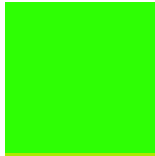
69.9718, 70.4223, 37.0991



Tritanopia

55.7912, 71.2040, 105.4110

Trichromacy



Original Color

36.9086, 72.1096, 12.0881



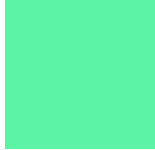
Protanomaly

46.0957, 66.5997, 10.4542



Deuteranomaly

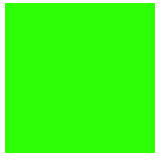
48.3542, 65.8787, 20.7570



Tritanomaly

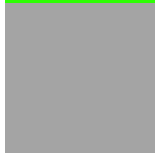
43.2656, 69.1087, 46.1809

Monochromacy



Original Color

36.9086, 72.1096, 12.0881



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

30.4529, 45.0381, 20.7238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9086, 72.1096, 12.0881 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(46, 255, 4)` looks like.

```
.text, #text, p{  
    color:rgb(46, 255, 4)  
}
```

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(46, 255, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 255, 4) }
```

Border

The CSS property to change the border of an element to XYZ 36.9086, 72.1096, 12.0881 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(46, 255, 4) }
```


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

```
.border{ border-color:rgb(46, 255, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 255, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 255, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 255, 4);  
box-shadow:4px 4px 4px 4px rgb(46, 255, 4)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.9086, 72.1096, 12.0881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 255, 4) }
```

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

```
.background{ background-color: rgb(46, 255,  
4) }
```

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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