

Converting Colors

XYZ(33.5448, 66.8066, 12.0541)

Have a look what the booklet for
XYZ(33.5448, 66.8066, 12.0541)
contains.

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Color

**XYZ(33.4362, 66.5917,
12.0109)**

Conversions

Conversions Part 1

Format	Color
Hex	00F719
RGB	0, 247, 25
RGB Percent	0%, 97%, 10%
CMY	1.0000, 0.0314, 0.9019
CMYK	1.00, 0.00, 0.90, 0.03
HSL	126°, 100%, 48%
HSV	126°, 100%, 97%
XYZ	33.4362, 66.5917, 12.0109
YIQ	147.8390, -75.9500, -121.4060

Conversions

Conversions Part 2

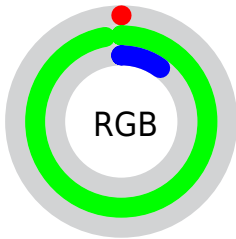
Format	Color
RYB	0, 224, 247
Decimal	63257
CIELab	85.30, -83.66, 78.73
CIELCh	85, 114.884, 136.739
Yxy	66.5917, 0.2984, 0.5944
Android (android.graphics.Color)	4278253337 (0xFF00F719)
YUV	147.8390, -60.5596, -129.6548
Hunter-Lab	81.6037, -69.6682, 48.3960

Details

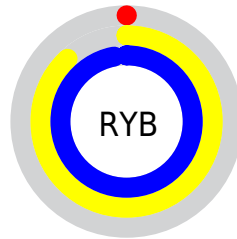
The XYZ color **33.4362, 66.5917, 12.0109** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **51.5423, 25.0481, 71.2157**, and the grayscale version is **28.3504, 29.8268, 32.4814**.

A 20% lighter version of the original color is **45.3007, 76.1837, 23.8726**, and **18.1976, 36.3952, 6.0659** is the 20% darker color. If you saturate the color by 10%, you get **33.4378, 66.5945, 12.0124**, and if you desaturate by 10%, it is **34.1731, 66.9341, 13.8308**.

Distribution



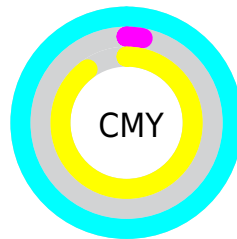
- Red (0%)
- Green (97%)
- Blue (10%)



- Red (0%)
- Yellow (88%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (90%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4362, 66.5917, 12.0109 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 33.4362, 66.5917, 12.0109 by changing the saturation by 10% instead.


 33.4362, 66.5917,
12.0109


 33.4362, 66.5917,
12.0109


309.2411,
448.4900, 215.4579


 22.6216, 48.7529,
6.6285


 64.4061, 114.3352,
30.1797

 14.4335, 34.4235,
3.1560


 85.2921, 145.0086,
43.8031


 8.5065, 23.2191,
1.1748


 110.2660,
180.7290, 61.0105

 4.4752, 14.7554,
0.0000

 139.6932,
221.8809, 82.2206

 1.9744, 8.6479,
0.0000

 173.9389,
268.8485, 107.8519

 0.6195, 4.5122,
0.0000

 213.3685,

 0.0000, 1.9640,

322.0163, 138.3228

0.0000

258.3475,
381.7687, 174.0520

■ 0.0000, 0.5864,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.4362, 66.5917,
12.0109

■ 33.4362, 66.5917,
12.0109

■ 33.4378, 66.5945,
12.0124

■ 34.1731, 66.9341,
13.8308

■ 35.6353, 67.6220,
16.8723

■ 38.0089, 68.7500,
21.3038

■ 41.4127, 70.3763,
27.2651

■ 45.9473, 72.5502,
34.8787

■ 51.7012, 75.3149,
44.2549

■ 58.7542, 78.7094,
55.4943

■ 67.1791, 82.7692,
68.6901

■ 77.0436, 87.5275,
83.9292

Harmonies

Analogous

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



49.9669, 66.5917, 3.6751



33.4362, 66.5917, 12.0109



26.0555, 66.5917, 44.3891

Triad

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



33.4362, 66.5917, 12.0109



52.5110, 66.5917, 319.9725



124.2046, 66.5917, 38.6111

Complementary

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



33.4362, 66.5917, 12.0109



51.5423, 25.0481, 71.2157

Split Complementary

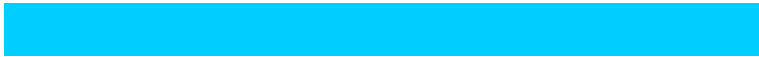
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



125.4389, 66.5917, 110.5295



33.4362, 66.5917, 12.0109



78.8009, 66.5917, 313.9627

Square

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



33.4362, 66.5917, 12.0109



34.8572, 66.5917, 234.5918



107.0937, 66.5917, 221.4121



104.0776, 66.5917, 10.2521

Rectangle

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



33.4362, 66.5917, 12.0109



25.5132, 66.5917, 90.6274



107.0937, 66.5917, 221.4121



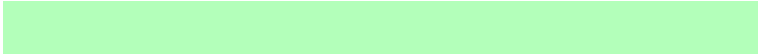
127.0026, 66.5917, 56.9789

Sweetspot

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



33.4378, 66.5945, 12.0124



63.1244, 84.6000, 59.5954



63.4795, 82.1018, 12.5015



12.7889, 17.7601, 11.6108



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.



33.4378, 66.5945, 12.0124



35.9445, 71.5938, 12.8918



38.6235, 68.6687, 39.3199



16.3504, 18.4993, 17.8636



17.7068, 35.2276, 6.4760



1.5786, 3.1051, 0.6867

Inverse Universe

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



51.5423, 25.0481, 71.2157



55.4069, 26.9268, 76.5318



40.6020, 20.6720, 13.6049



17.1370, 16.7377, 20.4682



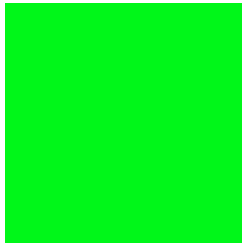
27.2886, 13.2589, 37.8236



2.4189, 1.1735, 3.4323

Previews

White Background



This preview shows how the XYZ color 33.4362, 66.5917, 12.0109 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 33.4362, 66.5917, 12.0109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

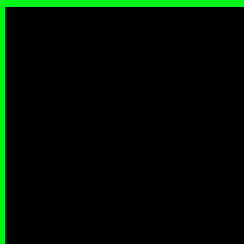
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

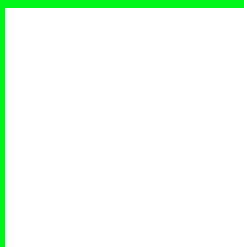
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4362, 66.5917, 12.0109

Background



This preview shows how black text looks on a background with the XYZ color 33.4362, 66.5917, 12.0109.



This preview shows how white text looks on a background with the XYZ color 33.4362, 66.5917,

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

33.4362, 66.5917, 12.0109

Protanopia

58.8143, 65.2685, 9.5557

Deuteranopia

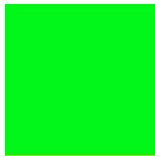
65.2852, 64.6709, 24.3711



Tritanopia

50.8336, 66.2545, 98.9161

Trichromacy



Original Color

33.4362, 66.5917, 12.0109



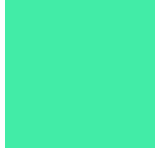
Protanomaly

39.7425, 60.4517, 9.8608



Deuteranomaly

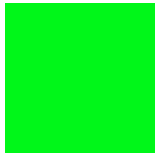
41.4197, 58.4034, 16.6794



Tritanomaly

39.2173, 63.9392, 46.8337

Monochromacy



Original Color

33.4362, 66.5917, 12.0109



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.2048, 37.6399, 18.8215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4362, 66.5917, 12.0109 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, 247, 25)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 25)  
}
```

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, 247, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 25) }
```

Border

The CSS property to change the border of an element to XYZ 33.4362, 66.5917, 12.0109 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, 247, 25) }
```


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

```
.border{ border-color:rgb(0, 247, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 247, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 25);  
box-shadow:4px 4px 4px 4px rgb(0, 247, 25)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.4362, 66.5917, 12.0109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 25) }
```

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

```
.background{ background-color: rgb(0, 247,  
25) }
```

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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