

Converting Colors

XYZ(36.3341, 66.6807, 30.5702)

Have a look what the booklet for
XYZ(36.3341, 66.6807, 30.5702)
contains.

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Color

**XYZ(36.4183, 66.8112,
30.7151)**

Conversions

Conversions Part 1

Format	Color
Hex	00F57E
RGB	0, 245, 126
RGB Percent	0%, 96%, 49%
CMY	0.9999, 0.0392, 0.5059
CMYK	1.00, 0.00, 0.49, 0.04
HSL	151°, 100%, 48%
HSV	151°, 100%, 96%
XYZ	36.4183, 66.8112, 30.7151
YIQ	158.1790, -107.8210, -88.9490

Conversions

Conversions Part 2

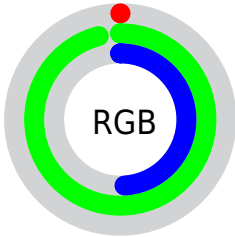
Format	Color
RYB	0, 162, 245
Decimal	62846
CIELab	85.41, -73.95, 43.67
CIELCh	85, 85.881, 149.433
Yxy	66.8112, 0.2719, 0.4988
Android (android.graphics.Color)	4278252926 (0xFF00F57E)
YUV	158.1790, -15.8642, -138.7230
Hunter-Lab	81.7381, -63.5113, 34.9370

Details

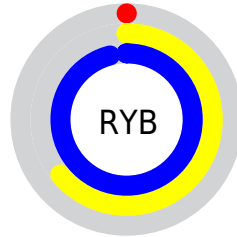
The XYZ color **36.4183, 66.8112, 30.7151** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **40.9885, 20.7458, 19.3014**, and the grayscale version is **32.6883, 34.3907, 37.4515**.

A 20% lighter version of the original color is **50.8083, 78.3260, 55.6206**, and **19.0064, 36.0351, 12.4323** is the 20% darker color. If you saturate the color by 10%, you get **36.4194, 66.8136, 30.7144**, and if you desaturate by 10%, it is **37.6232, 67.3401, 35.0234**.

Distribution



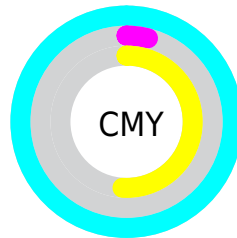
- Red (0%)
- Green (96%)
- Blue (49%)



- Red (0%)
- Yellow (64%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4183, 66.8112, 30.7151 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 36.4183, 66.8112, 30.7151 by changing the saturation by 10% instead.


 36.4183, 66.8112,
30.7151


 36.4183, 66.8112,
30.7151


322.1846,
449.2724, 319.5341


 24.9290, 48.9312,
20.1254


 68.9969, 114.6498,
61.8656


 16.1526, 34.5649,
12.3012

 90.8169, 145.3773,
83.2633


 9.7238, 23.3279,
6.8241


 116.8112,
181.1560, 109.1009

 5.2770, 14.8358,
3.2756

 147.3452,
222.3704, 139.7968

 2.4471, 8.7042,
1.2370

 182.7841,
269.4048, 175.7695

 0.8687, 4.5488,
0.0093

223.4935,

 0.0000, 1.9850,

322.6437, 217.4376

0.0000

269.8385,
382.4714, 265.2196

■ 0.0000, 0.5988,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4183, 66.8112,
30.7151

■ 36.4183, 66.8112,
30.7151

■ 36.4194, 66.8136,
30.7144

■ 37.6232, 67.3401,
35.0234

■ 39.4103, 68.1564,
39.8502

■ 41.9360, 69.3422,
45.2195

■ 45.2940, 70.9456,
51.1501

■ 49.5636, 73.0069,
57.6596

■ 54.8141, 75.5619,
64.7646

■ 61.1079, 78.6422,
72.4809

■ 68.5022, 82.2771,
80.8236

■ 77.0495, 86.4934,
89.8073

Harmonies

Analogous

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



46.8275, 66.8112, 13.6291



36.4183, 66.8112, 30.7151



32.9457, 66.8112, 71.6903

Triad

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



36.4183, 66.8112, 30.7151



63.1323, 66.8112, 241.2059



101.9974, 66.8112, 31.7610

Complementary

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



36.4183, 66.8112, 30.7151



40.9885, 20.7458, 19.3014

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.



108.7651, 66.8112, 73.8121



36.4183, 66.8112, 30.7151



83.7283, 66.8112, 211.7413

Square

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



36.4183, 66.8112, 30.7151



46.3057, 66.8112, 209.5859



101.4901, 66.8112, 142.0117



84.5022, 66.8112, 13.9794

Rectangle

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



36.4183, 66.8112, 30.7151



34.3406, 66.8112, 114.5565



101.4901, 66.8112, 142.0117



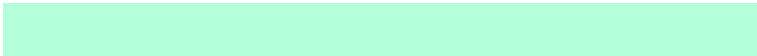
105.7436, 66.8112, 42.5923

Sweetspot

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



36.4200, 66.8139, 30.7166



66.8691, 86.0979, 79.3149



40.7521, 69.4822, 11.2640



13.6594, 18.1083, 16.1952



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.



36.4200, 66.8139, 30.7166



39.8660, 73.1624, 33.5421



49.1359, 71.9003, 97.6780



16.6380, 18.6143, 19.3780



19.6894, 36.0206, 16.9162



1.7824, 3.1866, 1.7603

Inverse Universe

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



40.9885, 20.7458, 19.3014



44.8694, 22.7118, 21.0423



37.6579, 19.4136, 1.7628



16.8345, 16.6167, 18.8752



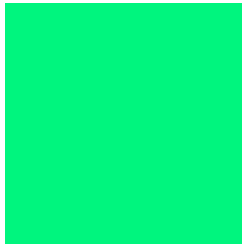
22.1496, 11.2033, 10.7619



1.9985, 1.0053, 1.2182

Previews

White Background



This preview shows how the XYZ color 36.4183, 66.8112, 30.7151 looks on a white background.

Color Contrast Check

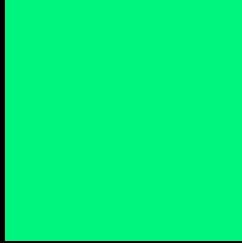
Large Text (above 18pt) WCAG AA × Fail

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 36.4183, 66.8112, 30.7151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

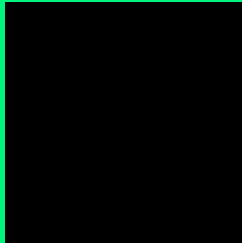
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4183, 66.8112, 30.7151

Background



This preview shows how black text looks on a background with the XYZ color 36.4183, 66.8112, 30.7151.

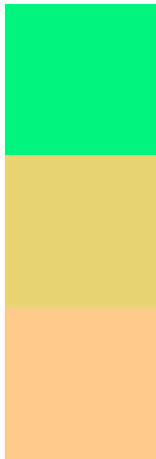


This preview shows how white text looks on a background with the XYZ color 36.4183, 66.8112,

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

36.4183, 66.8112, 30.7151

Protanopia

60.1850, 65.6255, 25.4145

Deuteranopia

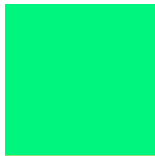
66.5089, 65.1180, 32.7305



Tritanopia

50.3454, 66.3811, 100.6018

Trichromacy



Original Color

36.4183, 66.8112, 30.7151



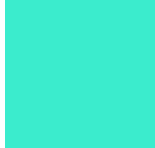
Protanomaly

42.1384, 60.9152, 26.6764



Deuteranomaly

44.2053, 59.5176, 31.3485



Tritanomaly

42.8185, 65.3285, 68.1105

Monochromacy



Original Color

36.4183, 66.8112, 30.7151



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

28.9686, 41.6689, 33.7102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4183, 66.8112, 30.7151 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, 245, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 126)  
}
```

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, 245, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 126) }
```

Border

The CSS property to change the border of an element to XYZ 36.4183, 66.8112, 30.7151 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, 245, 126) }
```


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

```
.border{ border-color:rgb(0, 245, 126) }
```

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

Here you see how a box with a 4 pixel rgb(0, 245, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4183, 66.8112, 30.7151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 126) }
```

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

```
.background{ background-color: rgb(0, 245,  
126) }
```

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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