

Converting Colors

XYZ(35.9238, 62.4552, 10.1617)

Have a look what the booklet for
XYZ(35.9238, 62.4552, 10.1617)
contains.

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Color

**XYZ(36.0150, 62.6679,
10.1979)**

Conversions

Conversions Part 1

Format	Color
Hex	6DEB00
RGB	109, 235, 0
RGB Percent	43%, 92%, 0%
CMY	0.5726, 0.0784, 0.9999
CMYK	0.54, 0.00, 1.00, 0.08
HSL	92°, 100%, 46%
HSV	92°, 100%, 92%
XYZ	36.0150, 62.6679, 10.1979
YIQ	170.5360, 0.3390, -99.7970

Conversions

Conversions Part 2

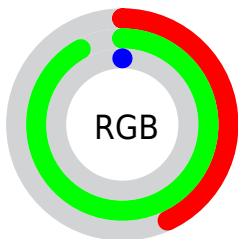
Format	Color
RYB	0, 235, 126
Decimal	7203584
CIELab	83.27, -66.06, 80.32
CIELCh	83, 104.001, 129.436
Yxy	62.6679, 0.3308, 0.5756
Android (android.graphics.Color)	4285393664 (0xFF6DEB00)
YUV	170.5360, -84.0742, -53.9671
Hunter-Lab	79.1631, -57.3273, 47.7763

Details

The XYZ color **36.0150, 62.6679, 10.1979** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **23.6061, 10.4376, 79.3713**, and the grayscale version is **38.8872, 40.9124, 44.5536**.

A 20% lighter version of the original color is **54.5764, 81.0119, 22.2116**, and **16.4558, 32.1168, 5.3319** is the 20% darker color. If you saturate the color by 10%, you get **36.0142, 62.6694, 10.1983**, and if you desaturate by 10%, it is **37.8395, 63.5919, 11.1190**.

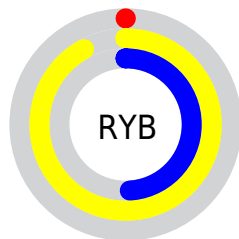
Distribution



Red (43%)

Green (92%)

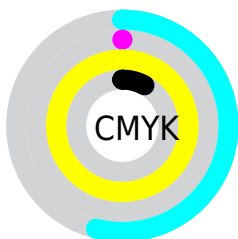
Blue (0%)



Red (0%)

Yellow (92%)

Blue (49%)

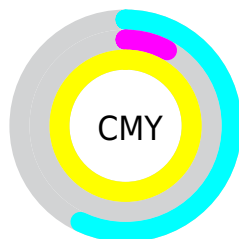


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (57%)


Magenta (8%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0150, 62.6679, 10.1979 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 36.0150, 62.6679, 10.1979 by changing the saturation by 10% instead.


 36.0150, 62.6679,
10.1979


 36.0150, 62.6679,
10.1979


320.4562,
434.3632, 202.6146


 24.6159, 45.5726,
5.4231


 68.3789, 108.6903,
26.7807


 15.9184, 31.9087,
2.4345


 90.0745, 138.3861,
39.4257


 9.5569, 21.2918,
0.8051


 115.9330,
173.0509, 55.5312

 5.1662, 13.3374,
0.0000

 146.3197,
213.0691, 75.5157

 2.3808, 7.6613,
0.0000

 181.6001,
258.8250, 99.7977

 0.8356, 3.8790,
0.0000

 222.1393,

 0.0000, 1.6061,

310.7030, 128.7959

0.0000

268.3029,
369.0877, 162.9287

■ 0.0000, 0.3617,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0150, 62.6679,
10.1979

■ 36.0150, 62.6679,
10.1979

■ 36.0142, 62.6694,
10.1983

■ 37.8395, 63.5919,
11.1190

■ 40.0875, 64.7099,
13.0702

■ 42.8299, 66.0534,
16.3752

■ 46.1107, 67.6408,
21.2233

■ 49.9676, 69.4881,
27.7737

■ 54.4342, 71.6096,
36.1658

■ 59.5412, 74.0184,
46.5247

■ 65.3169, 76.7265,
58.9642

■ 71.7877, 79.7453,
73.5897

Harmonies

Analogous

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



52.7234, 62.6679, 4.3855



36.0150, 62.6679, 10.1979



27.4506, 62.6679, 33.2042

Triad

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



36.0150, 62.6679, 10.1979



45.5731, 62.6679, 263.5251



113.5041, 62.6679, 49.8061

Complementary

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



36.0150, 62.6679, 10.1979



23.6061, 10.4376, 79.3713

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.



110.1863, 62.6679, 121.9172



36.0150, 62.6679, 10.1979



66.9720, 62.6679, 279.1941

Square

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



36.0150, 62.6679, 10.1979



31.9220, 62.6679, 181.6717



91.6324, 62.6679, 216.4471



99.8006, 62.6679, 15.7953

Rectangle

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



36.0150, 62.6679, 10.1979



25.8335, 62.6679, 67.0170



91.6324, 62.6679, 216.4471



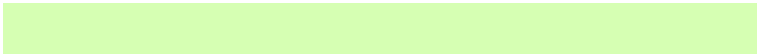
114.4065, 62.6679, 69.4670

Sweetspot

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



36.0164, 62.6706, 10.1993



71.5709, 89.0471, 55.7988



41.6408, 32.4192, 4.0637



14.7424, 18.7882, 10.7525



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.



36.0164, 62.6706, 10.1993



43.2659, 75.3894, 12.2713



29.7532, 59.4368, 10.1301



15.5323, 17.2044, 16.0209



20.1867, 34.9511, 5.6823



1.6951, 2.8012, 0.4513

Inverse Universe

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



23.6061, 10.4376, 79.3713



28.3248, 12.5168, 95.5309



48.1518, 23.2192, 74.7416



15.0027, 14.9467, 19.0165



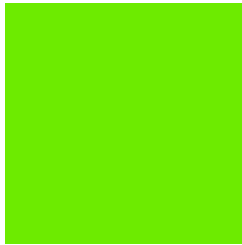
13.2849, 5.8845, 44.1786



1.1540, 0.5192, 3.4743

Previews

White Background



This preview shows how the XYZ color 36.0150, 62.6679, 10.1979 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 36.0150, 62.6679, 10.1979 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 36.0150, 62.6679, 10.1979

Background



This preview shows how black text looks on a background with the XYZ color 36.0150, 62.6679, 10.1979.



This preview shows how white text looks on a background with the XYZ color 36.0150, 62.6679,

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

36.0150, 62.6679, 10.1979

Protanopia

55.3500, 61.2984, 8.9145

Deuteranopia

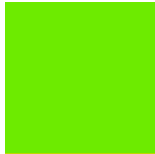
62.4279, 61.3190, 16.1349



Tritanopia

51.5394, 62.0386, 88.6151

Trichromacy



Original Color

36.0150, 62.6679, 10.1979



Protanomaly

45.3064, 60.1905, 9.2300



Deuteranomaly

48.0013, 58.8888, 11.9687



Tritanomaly

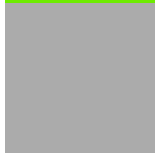
41.5207, 60.3386, 38.3123

Monochromacy



Original Color

36.0150, 62.6679, 10.1979



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.2648, 45.9836, 21.5378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0150, 62.6679, 10.1979 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(109, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 235, 0)  
}
```

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(109, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 235, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.0150, 62.6679, 10.1979 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(109, 235, 0) }
```


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

```
.border{ border-color:rgb(109, 235, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 235, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 235,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0150, 62.6679, 10.1979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 235, 0) }
```

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

```
.background{ background-color: rgb(109,  
235, 0) }
```

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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