

Converting Colors

XYZ(36.7378, 67.0365, 17.3655)

Have a look what the booklet for
XYZ(36.7378, 67.0365, 17.3655)
contains.

XYZ(36.6138, 66.7602, 17.2596)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.6138, 66.7602,
17.2596)**

Conversions

Conversions Part 1

Format	Color
Hex	4DF449
RGB	77, 244, 73
RGB Percent	30%, 96%, 29%
CMY	0.6980, 0.0431, 0.7137
CMYK	0.68, 0.00, 0.70, 0.04
HSL	119°, 89%, 62%
HSV	119°, 70%, 96%
XYZ	36.6138, 66.7602, 17.2596
YIQ	174.5730, -44.6410, -88.5850

Conversions

Conversions Part 2

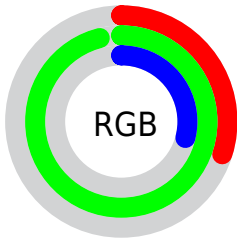
Format	Color
RYB	73, 244, 240
Decimal	5108809
CIELab	85.38, -73.19, 66.56
CIELCh	85, 98.925, 137.716
Yxy	66.7602, 0.3035, 0.5534
Android (android.graphics.Color)	4283298889 (0xFF4DF449)
YUV	174.5730, -50.0755, -85.5715
Hunter-Lab	81.7069, -62.9992, 44.6705

Details

The XYZ color **36.6138, 66.7602, 17.2596** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark washed green. A complement of this color would be **54.6517, 29.8250, 88.4679**, and the grayscale version is **40.7953, 42.9198, 46.7397**.

A 20% lighter version of the original color is **51.6433, 79.2427, 33.6926**, and **17.5589, 35.1178, 5.8530** is the 20% darker color. If you saturate the color by 10%, you get **34.3752, 65.6840, 13.7288**, and if you desaturate by 10%, it is **39.8766, 68.3317, 22.4965**.

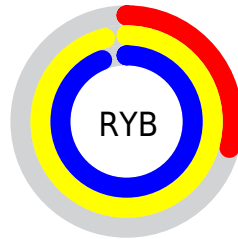
Distribution



Red (30%)

Green (96%)

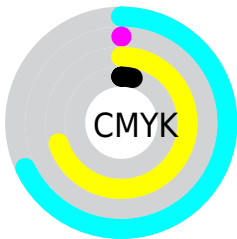
Blue (29%)



Red (29%)

Yellow (96%)

Blue (94%)

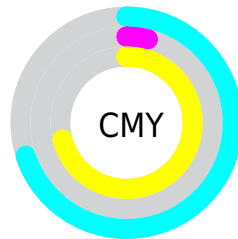


Cyan (68%)

Magenta (0%)

Yellow (70%)

Black (4%)



Cyan (70%)


Magenta (4%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6138, 66.7602, 17.2596 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 36.6138, 66.7602, 17.2596 by changing the saturation by 10% instead.


 36.6138, 66.7602,
17.2596


 36.6138, 66.7602,
17.2596


323.0201,
449.0907, 248.7584


 25.0809, 48.8898,
10.2558


 69.2961, 114.5767,
39.5683


 16.2664, 34.5321,
5.4611


 91.1762, 145.2916,
55.7104


 9.8049, 23.3026,
2.4568


 117.2362,
181.0568, 75.7356

 5.3311, 14.8171,
0.8172

 147.8412,
222.2567, 100.0626

 2.4795, 8.6911,
0.0000

 183.3568,
269.2756, 129.1098

 0.8849, 4.5403,
0.0000

224.1482,

 0.0000, 1.9801,

322.4980, 163.2958

0.0000

270.5809,
382.3082, 203.0391

■ 0.0000, 0.5959,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6138, 66.7602,
17.2596

■ 36.6138, 66.7602,
17.2596

■ 34.3752, 65.6840,
13.7288

■ 39.8766, 68.3317,
22.4965


■ 33.0354, 65.0371,
11.6877


■ 44.2610, 70.4389,
29.6130


■ 32.4234, 64.7409,
10.7874


■ 49.8583, 73.1277,
38.7660

■ 56.7494, 76.4366,
50.0951

 65.0080, 80.4008,
63.7273

 74.7022, 85.0532,
79.7800

 85.8959, 90.4240,
98.3625

 91.6421, 93.1841,
107.7640

Harmonies

Analogous

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



51.2231, 66.7602, 7.1168



36.6138, 66.7602, 17.2596



29.9740, 66.7602, 49.4671

Triad

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



36.6138, 66.7602, 17.2596



54.7194, 66.7602, 272.2567



113.9916, 66.7602, 41.2320

Complementary

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



36.6138, 66.7602, 17.2596



54.6517, 29.8250, 88.4679

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.



115.5605, 66.7602, 102.2375



36.6138, 66.7602, 17.2596



77.4906, 66.7602, 265.0218

Square

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



36.6138, 66.7602, 17.2596



38.6518, 66.7602, 207.5594



100.9720, 66.7602, 191.3564



97.0873, 66.7602, 14.2789

Rectangle

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



36.6138, 66.7602, 17.2596



29.6136, 66.7602, 90.5509



100.9720, 66.7602, 191.3564



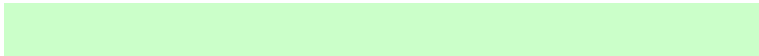
116.4524, 66.7602, 57.3481

Sweetspot

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



36.6154, 66.7630, 17.2611



70.9028, 88.4128, 68.8647



69.1759, 81.0416, 18.3010



14.6110, 18.6527, 13.8063



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.



36.6154, 66.7630, 17.2611



37.2746, 72.2550, 14.0616



40.8339, 68.4143, 41.1059



16.3180, 18.4905, 17.5065



17.6449, 35.2091, 5.8661



1.5632, 3.1009, 0.5161

Inverse Universe

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



54.6517, 29.8250, 88.4679



58.2595, 29.1156, 97.1570



46.4121, 26.6876, 37.9242



17.1731, 16.7474, 20.8700



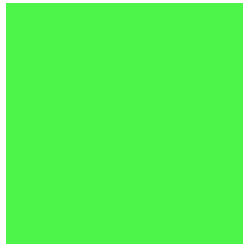
28.1237, 13.4726, 47.6562



2.4837, 1.1903, 4.1891

Previews

White Background



This preview shows how the XYZ color 36.6138, 66.7602, 17.2596 looks on a white background.

Color Contrast Check

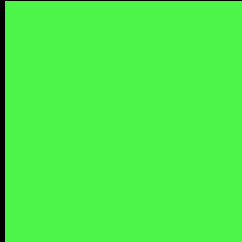
Large Text (above 18pt) WCAG AA × Fail

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 36.6138, 66.7602, 17.2596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

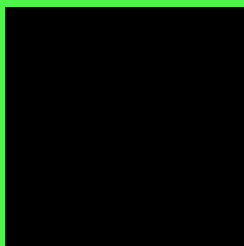
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

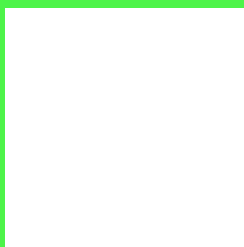
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6138, 66.7602, 17.2596

Background



This preview shows how black text looks on a background with the XYZ color 36.6138, 66.7602, 17.2596.



This preview shows how white text looks on a background with the XYZ color 36.6138, 66.7602,

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

36.6138, 66.7602, 17.2596

Protanopia

59.3939, 65.4617, 14.3555

Deuteranopia

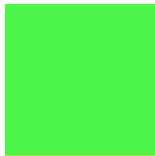
65.9257, 65.3038, 26.5830



Tritanopia

52.4040, 66.2782, 97.2198

Trichromacy



Original Color

36.6138, 66.7602, 17.2596



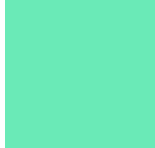
Protanomaly

46.2592, 63.3003, 15.0902



Deuteranomaly

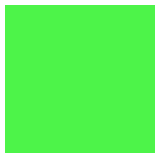
48.7049, 62.0493, 21.9801



Tritanomaly

43.9139, 65.3287, 55.0949

Monochromacy



Original Color

36.6138, 66.7602, 17.2596



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

35.8892, 48.6325, 31.5402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6138, 66.7602, 17.2596 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(77, 244, 73)` looks like.

```
.text, #text, p{  
    color:rgb(77, 244, 73)  
}
```

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(77, 244, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 244, 73) }
```

Border

The CSS property to change the border of an element to XYZ 36.6138, 66.7602, 17.2596 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(77, 244, 73) }
```


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

```
.border{ border-color:rgb(77, 244, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 244, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 244, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 244, 73);  
box-shadow:4px 4px 4px 4px rgb(77, 244,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6138, 66.7602, 17.2596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 244, 73) }
```

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

```
.background{ background-color: rgb(77, 244,  
73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor