

Converting Colors

XYZ(36.6395, 61.2999, 17.2258)

Have a look what the booklet for
XYZ(36.6395, 61.2999, 17.2258)
contains.

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Color

**XYZ(36.5427, 61.0958,
17.2638)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6FE74F |
| RGB | 111, 231, 79 |
| RGB Percent | 44%, 91%, 31% |
| CMY | 0.5647, 0.0941, 0.6902 |
| CMYK | 0.52, 0.00, 0.66, 0.09 |
| HSL | 107°, 76%, 61% |
| HSV | 107°, 66%, 91% |
| XYZ | 36.5427, 61.0958, 17.2638 |
| YIQ | 177.7920, -22.7280, -72.7120 |

Conversions

Conversions Part 2

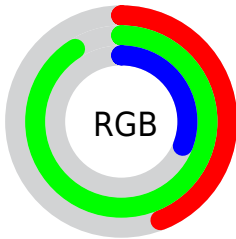
| Format | Color |
|-------------------------------------|--|
| RYB | 79, 231, 199 |
| Decimal | 7333711 |
| CIELab | 82.43, -60.70, 61.46 |
| CIELCh | 82, 86.378, 134.642 |
| Yxy | 61.0958, 0.3180, 0.5317 |
| Android (android.graphics.Color) | 4285523791 (0xFF6FE74F) |
| YUV | 177.7920, -48.7045, -58.5766 |
| Hunter-Lab | 78.1638, -53.3353, 41.6195 |

Details

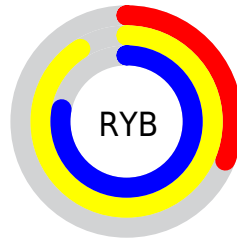
The XYZ color **36.5427, 61.0958, 17.2638** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **40.7764, 23.5058, 77.9925**, and the grayscale version is **42.4663, 44.6778, 48.6542**.

A 20% lighter version of the original color is **56.8577, 81.8992, 35.3657**, and **16.1573, 30.7909, 5.4395** is the 20% darker color. If you saturate the color by 10%, you get **33.7788, 59.7536, 13.4824**, and if you desaturate by 10%, it is **40.0701, 62.8015, 22.6078**.

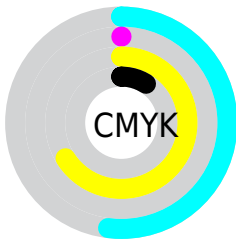
Distribution



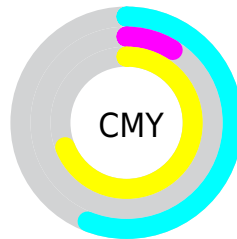
- Red (44%)
- Green (91%)
- Blue (31%)



- Red (31%)
- Yellow (91%)
- Blue (78%)



- Cyan (52%)
- Magenta (0%)
- Yellow (66%)
- Black (9%)





- Cyan (56%)
- Magenta (9%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5427, 61.0958, 17.2638 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 36.5427, 61.0958, 17.2638 by changing the saturation by 10% instead.


 36.5427, 61.0958,
17.2638


 36.5427, 61.0958,
17.2638


322.7164,
428.6252, 248.7832


 25.0257, 44.3025,
10.2588


 69.1873, 106.4176,
39.5756


 16.2250, 30.9084,
5.4630

 91.0456, 135.7149,
55.7196


 9.7754, 20.5291,
2.4580


 117.0817,
169.9490, 75.7469

 5.3114, 12.7802,
0.8178

 147.6609,
209.5043, 100.0761

 2.4677, 7.2774,
0.0000

 183.1486,
254.7652, 129.1258

 0.8790, 3.6362,
0.0000

223.9102,

 0.0000, 1.4722,

306.1160, 163.3146

0.0000

270.3110,
363.9412, 203.0609

■ 0.0000, 0.2690,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.5427, 61.0958,
17.2638

■ 36.5427, 61.0958,
17.2638

■ 33.7788, 59.7536,
13.4824

■ 40.0701, 62.8015,
22.6078

■ 31.7135, 58.7397,
11.0909


■ 44.4101, 64.8874,
29.6549


■ 30.2772, 58.0246,
9.8827


■ 49.6127, 67.3782,
38.5346


■ 29.8258, 57.7980,
9.5842

■ 55.7222, 70.2945,
49.3629

 62.7803, 73.6552,
62.2460

 70.8255, 77.4782,
77.2826

 79.8945, 81.7803,
94.5648

 87.8671, 85.6343,
106.5057

Harmonies

Analogous

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



49.5576, 61.0958, 8.6976



36.5427, 61.0958, 17.2638



30.1436, 61.0958, 43.0842

Triad

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



36.5427, 61.0958, 17.2638



49.1736, 61.0958, 220.4124



99.5890, 61.0958, 44.0080

Complementary

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



36.5427, 61.0958, 17.2638



40.7764, 23.5058, 77.9925

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.



99.4249, 61.0958, 97.2146



36.5427, 61.0958, 17.2638



67.5047, 61.0958, 221.1429

Square

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



36.5427, 61.0958, 17.2638



36.3132, 61.0958, 166.4698



86.7276, 61.0958, 168.1287



87.1375, 61.0958, 17.6313

Rectangle

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



36.5427, 61.0958, 17.2638



29.4068, 61.0958, 75.0872



86.7276, 61.0958, 168.1287



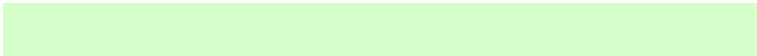
101.0801, 61.0958, 58.6360

Sweetspot

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



36.5442, 61.0984, 17.2652



74.6057, 90.2867, 70.6217



54.5782, 57.9750, 15.7118



15.4399, 19.0732, 14.1526



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.



36.5442, 61.0984, 17.2652



41.2344, 74.2664, 15.5965



35.3193, 60.2237, 28.1984



14.4714, 16.2346, 15.2753



16.8038, 32.4441, 5.3767



1.3184, 2.4370, 0.4009

Inverse Universe

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



40.7764, 23.5058, 77.9925



46.6718, 23.9024, 96.7615



44.8232, 26.2105, 50.2385



14.6825, 14.4541, 18.1604



19.0582, 8.8908, 43.0948



1.4829, 0.6955, 3.1880

Previews

White Background



This preview shows how the XYZ color 36.5427, 61.0958, 17.2638 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 36.5427, 61.0958, 17.2638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

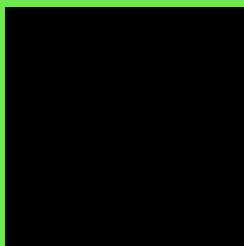
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.5427, 61.0958, 17.2638

Background



This preview shows how black text looks on a background with the XYZ color 36.5427, 61.0958, 17.2638.

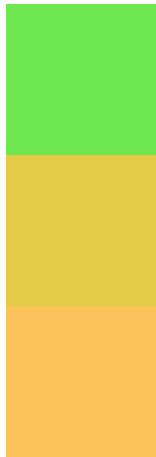


This preview shows how white text looks on a background with the XYZ color 36.5427, 61.0958,

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

36.5427, 61.0958, 17.2638

Protanopia

54.7575, 60.1476, 14.8545

Deuteranopia

61.3250, 60.0344, 18.2531



Tritanopia

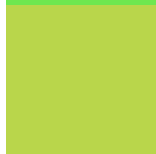
50.2484, 60.6576, 86.1505

Trichromacy



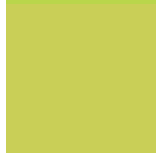
Original Color

36.5427, 61.0958, 17.2638



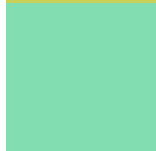
Protanomaly

45.3242, 58.9154, 15.6396



Deuteranomaly

48.1205, 57.7313, 17.6239



Tritanomaly

42.9982, 59.6331, 50.8391

Monochromacy



Original Color

36.5427, 61.0958, 17.2638



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.1752, 48.7555, 32.9899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5427, 61.0958, 17.2638 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(111, 231, 79)` looks like.

```
.text, #text, p{  
    color:rgb(111, 231, 79)  
}
```

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(111, 231, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 231, 79) }
```

Border

The CSS property to change the border of an element to XYZ 36.5427, 61.0958, 17.2638 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(111, 231, 79) }
```


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

```
.border{ border-color:rgb(111, 231, 79) }
```

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

Here you see how a box with a 4 pixel rgb(111, 231, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 231, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 231, 79);  
box-shadow:4px 4px 4px 4px rgb(111, 231,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5427, 61.0958, 17.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 231, 79) }
```

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

```
.background{ background-color: rgb(111,  
231, 79) }
```

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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