

Converting Colors

XYZ(36.7591, 60.4127, 15.7859)

Have a look what the booklet for
XYZ(36.7591, 60.4127, 15.7859)
contains.

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Color

**XYZ(36.7968, 60.4284,
15.8554)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 77E548 |
| RGB | 119, 229, 72 |
| RGB Percent | 47%, 90%, 28% |
| CMY | 0.5333, 0.1019, 0.7176 |
| CMYK | 0.48, 0.00, 0.69, 0.10 |
| HSL | 102°, 75%, 59% |
| HSV | 102°, 69%, 90% |
| XYZ | 36.7968, 60.4284, 15.8554 |
| YIQ | 178.2120, -15.1630, -72.1470 |

Conversions

Conversions Part 2

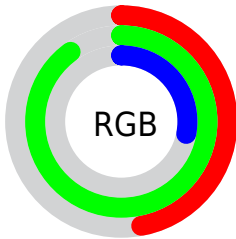
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 72, 229, 182 |
| Decimal | 7857480 |
| CIE _{Lab} | 82.07, -58.30, 63.87 |
| CIE _{LCh} | 82, 86.477, 132.394 |
| Yxy | 60.4284, 0.3254, 0.5344 |
| Android (android.graphics.Color) | 4286047560 (0xFF77E548) |
| YUV | 178.2120, -52.3625, -51.9289 |
| Hunter-Lab | 77.7357, -51.5431, 42.3219 |

Details

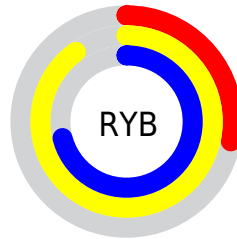
The XYZ color **36.7968, 60.4284, 15.8554** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **35.7548, 20.2391, 76.1540**, and the grayscale version is **42.7053, 44.9293, 48.9280**.

A 20% lighter version of the original color is **58.2467, 82.6622, 33.3076**, and **16.3281, 30.3173, 4.9912** is the 20% darker color. If you saturate the color by 10%, you get **34.1655, 59.1446, 12.5327**, and if you desaturate by 10%, it is **40.0809, 62.0203, 20.6627**.

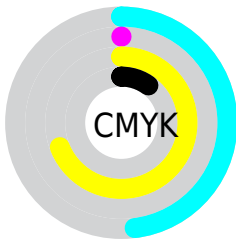
Distribution



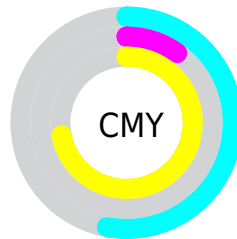
- Red (47%)
- Green (90%)
- Blue (28%)



- Red (28%)
- Yellow (90%)
- Blue (71%)



- Cyan (48%)
- Magenta (0%)
- Yellow (69%)
- Black (10%)





- Cyan (53%)
- Magenta (10%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7968, 60.4284, 15.8554 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 36.7968, 60.4284, 15.8554 by changing the saturation by 10% instead.


 36.7968, 60.4284,
15.8554


 36.7968, 60.4284,
15.8554


323.8008,
426.1750, 240.3035


 25.2232, 43.7640,
9.2686


 69.5760, 105.4509,
37.1103

 16.3730, 30.4850,
4.8176


 91.5123, 134.5778,
52.6155


 9.8810, 20.2070,
2.0838

 117.6335,
168.6276, 71.9306

 5.3818, 12.5456,
0.6061

 148.3050,
207.9848, 95.4741

 2.5100, 7.1164,
0.0000

 183.8921,
253.0337, 123.6646

 0.9003, 3.5350,
0.0000

224.7602,

 0.0000, 1.4170,

304.1588, 156.9207

0.0000

271.2746,
361.7445, 195.6608

■ 0.0000, 0.2292,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7968, 60.4284,
15.8554

■ 36.7968, 60.4284,
15.8554

■ 34.1655, 59.1446,
12.5327

■ 40.0809, 62.0203,
20.6627

■ 32.1313, 58.1384,
10.5177


■ 44.0586, 63.9325,
27.0974


■ 30.6272, 57.3827,
9.5566


■ 48.7718, 66.1859,
35.2897

■ 30.4429, 57.2898,
9.4535


■ 54.2579, 68.7969,
45.3558

 60.5514, 71.7812,
57.4017

 67.6846, 75.1533,
71.5256

 75.6882, 78.9270,
87.8193

 84.5572, 83.1017,
106.1913

 87.3105, 84.5210,
106.3202

Harmonies

Analogous

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



50.1973, 60.4284, 8.2484



36.7968, 60.4284, 15.8554



29.9627, 60.4284, 39.7409

Triad

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



36.7968, 60.4284, 15.8554



47.4194, 60.4284, 216.5476



99.2005, 60.4284, 46.4207

Complementary

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



36.7968, 60.4284, 15.8554



35.7548, 20.2391, 76.1540

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.



98.0108, 60.4284, 101.2991



36.7968, 60.4284, 15.8554



65.3379, 60.4284, 221.8481

Square

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



36.7968, 60.4284, 15.8554



35.1377, 60.4284, 160.0272



84.6299, 60.4284, 172.0583



87.5994, 60.4284, 18.5047

Rectangle

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



36.7968, 60.4284, 15.8554



28.9248, 60.4284, 70.1031



84.6299, 60.4284, 172.0583



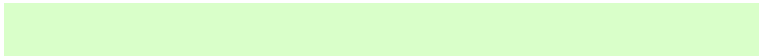
100.3430, 60.4284, 61.6695

Sweetspot

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



36.7982, 60.4310, 15.8567



75.1136, 90.5835, 69.0618



50.1928, 50.5436, 13.2423



15.5934, 19.1592, 13.8523



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.



36.7982, 60.4310, 15.8567



42.4953, 74.9355, 14.7987



33.1620, 58.4064, 22.4647



14.5928, 16.2972, 15.2810



17.5110, 32.8087, 5.4098



1.3852, 2.4715, 0.4040

Inverse Universe

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



35.7548, 20.2391, 76.1540



40.8652, 20.4262, 96.3966



44.7797, 25.3532, 55.7208



14.5531, 14.3873, 18.1543



16.5537, 7.5997, 42.9776



1.3158, 0.6093, 3.1802

Previews

White Background



This preview shows how the XYZ color 36.7968, 60.4284, 15.8554 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 36.7968, 60.4284, 15.8554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

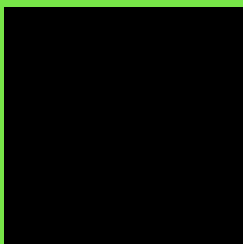
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

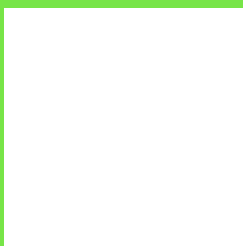
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7968, 60.4284, 15.8554

Background



This preview shows how black text looks on a background with the XYZ color 36.7968, 60.4284, 15.8554.

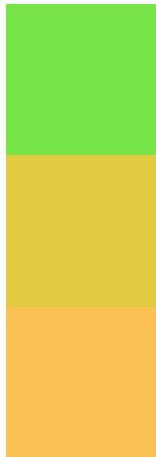


This preview shows how white text looks on a background with the XYZ color 36.7968, 60.4284,

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

36.7968, 60.4284, 15.8554

Protanopia

53.9886, 59.4244, 13.6256

Deuteranopia

60.8151, 59.4755, 16.6621



Tritanopia

50.5030, 60.0657, 84.5334

Trichromacy



Original Color

36.7968, 60.4284, 15.8554



Protanomaly

45.3259, 58.1957, 14.3128



Deuteranomaly

48.4211, 57.5592, 16.1474



Tritanomaly

43.1909, 58.9985, 48.6466

Monochromacy



Original Color

36.7968, 60.4284, 15.8554



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.5311, 48.9647, 31.8464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7968, 60.4284, 15.8554 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(119, 229, 72)` looks like.

```
.text, #text, p{  
    color:rgb(119, 229, 72)  
}
```

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(119, 229, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 229, 72) }
```

Border

The CSS property to change the border of an element to XYZ 36.7968, 60.4284, 15.8554 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(119, 229, 72) }
```


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

```
.border{ border-color:rgb(119, 229, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 229, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 229, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 229, 72);  
box-shadow:4px 4px 4px 4px rgb(119, 229,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7968, 60.4284, 15.8554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 229, 72) }
```

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

```
.background{ background-color: rgb(119,  
229, 72) }
```

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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