

Converting Colors

XYZ(37.5513, 60.7031, 18.8773)

Have a look what the booklet for
XYZ(37.5513, 60.7031, 18.8773)
contains.

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Color

**XYZ(37.6659, 60.8082,
18.9845)**

Conversions

Conversions Part 1

Format	Color
Hex	79E558
RGB	121, 229, 88
RGB Percent	47%, 90%, 35%
CMY	0.5255, 0.1019, 0.6549
CMYK	0.47, 0.00, 0.62, 0.10
HSL	106°, 73%, 62%
HSV	106°, 62%, 90%
XYZ	37.6659, 60.8082, 18.9845
YIQ	180.6340, -19.1070, -66.7470

Conversions

Conversions Part 2

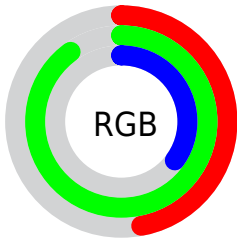
Format	Color
RYB	88, 229, 196
Decimal	7988568
CIELab	82.28, -56.34, 57.71
CIELCh	82, 80.652, 134.313
Yxy	60.8082, 0.3207, 0.5177
Android (android.graphics.Color)	4286178648 (0xFF79E558)
YUV	180.6340, -45.6686, -52.2990
Hunter-Lab	77.9796, -50.2448, 40.1513

Details

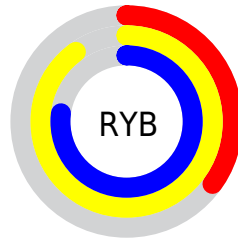
The XYZ color **37.6659, 60.8082, 18.9845** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **40.4010, 24.3746, 76.7076**, and the grayscale version is **43.9708, 46.2607, 50.3779**.

A 20% lighter version of the original color is **59.5403, 83.2065, 38.9090**, and **16.9815, 30.9107, 6.2996** is the 20% darker color. If you saturate the color by 10%, you get **34.6240, 59.3348, 14.6447**, and if you desaturate by 10%, it is **41.4556, 62.6364, 24.9166**.

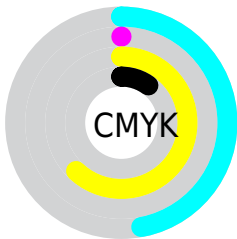
Distribution



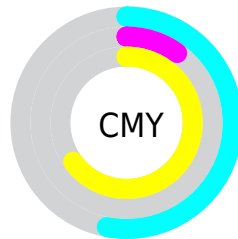
- Red (47%)
- Green (90%)
- Blue (35%)



- Red (35%)
- Yellow (90%)
- Blue (77%)



- Cyan (47%)
- Magenta (0%)
- Yellow (62%)
- Black (10%)



- Cyan (53%)
- Magenta (10%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6659, 60.8082, 18.9845 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 37.6659, 60.8082, 18.9845 by changing the saturation by 10% instead.

37.6659, 60.8082,
18.9845

37.6659, 60.8082,
18.9845

327.4903,
427.5704, 258.7831

25.8995, 44.0704,
11.4824

70.9030, 106.0012,
42.5443

16.8808, 30.7259,
6.2740

93.1044, 135.2251,
59.4390

10.2443, 20.3902,
2.9410

119.5148,
169.3799, 80.3016

5.6247, 12.6790,
1.0646

150.4997,
208.8500, 105.5508

2.6567, 7.2079,
0.0000

186.4243,
254.0197, 135.6050

0.9750, 3.5924,
0.0000

227.6540,

0.0000, 1.4483,

305.2734, 170.8827

0.0000

274.5542,
362.9955, 211.8026

■ 0.0000, 0.2519,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6659, 60.8082,
18.9845

■ 37.6659, 60.8082,
18.9845

■ 34.6240, 59.3348,
14.6447

■ 41.4556, 62.6364,
24.9166

■ 32.2723, 58.1843,
11.7394


■ 46.0364, 64.8332,
32.5708


■ 30.5509, 57.3317,
10.0857

■ 51.4533, 67.4211,
42.0684


■ 29.5200, 56.8142,
9.4104

■ 57.7464, 70.4184,
53.5185

 64.9532, 73.8422,
67.0217

 73.1090, 77.7087,
82.6718

 82.2472, 82.0333,
100.5565

 87.3106, 84.5212,
106.3202

Harmonies

Analogous

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



50.0131, 60.8082, 10.3556



37.6659, 60.8082, 18.9845



31.4834, 60.8082, 43.7955

Triad

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



37.6659, 60.8082, 18.9845



49.3221, 60.8082, 205.3178



96.0483, 60.8082, 45.4787

Complementary

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



37.6659, 60.8082, 18.9845



40.4010, 24.3746, 76.7076

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.



95.7611, 60.8082, 95.2038



37.6659, 60.8082, 18.9845



66.3480, 60.8082, 206.5679

Square

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



37.6659, 60.8082, 18.9845



37.2468, 60.8082, 156.6532



84.0616, 60.8082, 159.5163



84.7820, 60.8082, 19.6900

Rectangle

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



37.6659, 60.8082, 18.9845



30.7317, 60.8082, 73.5780



84.0616, 60.8082, 159.5163



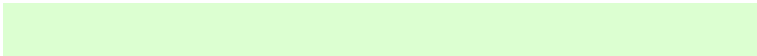
97.3607, 60.8082, 59.3507

Sweetspot

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



37.6674, 60.8108, 18.9858



76.7481, 91.3193, 73.9679



53.3134, 55.8379, 17.2013



15.8733, 19.2827, 14.8028



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.



37.6674, 60.8108, 18.9858



43.2397, 75.2613, 17.4487



35.6366, 59.5526, 28.4391



14.5034, 16.2511, 15.2768



16.9656, 32.5275, 5.3843



1.3345, 2.4453, 0.4017

Inverse Universe

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



40.4010, 24.3746, 76.7076



46.8346, 24.9772, 96.9604



45.5147, 27.5230, 53.8081



14.6481, 14.4363, 18.1588



18.3584, 8.5300, 43.0620



1.4367, 0.6716, 3.1859

Previews

White Background



This preview shows how the XYZ color 37.6659, 60.8082, 18.9845 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 37.6659, 60.8082, 18.9845 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 37.6659, 60.8082, 18.9845

Background



This preview shows how black text looks on a background with the XYZ color 37.6659, 60.8082, 18.9845.

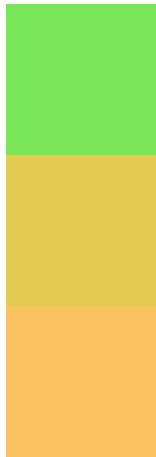


This preview shows how white text looks on a background with the XYZ color 37.6659, 60.8082,

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

37.6659, 60.8082, 18.9845

Protanopia

54.7566, 60.1107, 16.5011

Deuteranopia

61.3276, 59.9937, 20.1520



Tritanopia

50.8985, 60.6301, 85.3641

Trichromacy



Original Color

37.6659, 60.8082, 18.9845



Protanomaly

46.1335, 58.9200, 17.3287



Deuteranomaly

49.2802, 58.2892, 19.4801



Tritanomaly

44.3127, 59.8850, 52.4034

Monochromacy



Original Color

37.6659, 60.8082, 18.9845



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

39.7586, 49.8657, 35.1333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6659, 60.8082, 18.9845 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(121, 229, 88)` looks like.

```
.text, #text, p{  
    color:rgb(121, 229, 88)  
}
```

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(121, 229, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 229, 88) }
```

Border

The CSS property to change the border of an element to XYZ 37.6659, 60.8082, 18.9845 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(121, 229, 88) }
```


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

```
.border{ border-color:rgb(121, 229, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 229, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 229, 88); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 229, 88); box-shadow:4px 4px 4px 4px rgb(121, 229, 88) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6659, 60.8082, 18.9845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 229, 88) }
```

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

```
.background{ background-color: rgb(121,  
229, 88) }
```

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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