

Converting Colors

XYZ(37.7670, 60.0183, 19.4341)

Have a look what the booklet for
XYZ(37.7670, 60.0183, 19.4341)
contains.

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Color

**XYZ(37.8149, 60.0535,
19.4960)**

Conversions

Conversions Part 1

Format	Color
Hex	7DE35B
RGB	125, 227, 91
RGB Percent	49%, 89%, 36%
CMY	0.5098, 0.1098, 0.6431
CMYK	0.45, 0.00, 0.60, 0.11
HSL	105°, 71%, 62%
HSV	105°, 60%, 89%
XYZ	37.8149, 60.0535, 19.4960
YIQ	180.9980, -17.1360, -63.9200

Conversions

Conversions Part 2

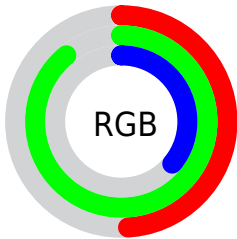
Format	Color
RYB	91, 227, 193
Decimal	8250203
CIELab	81.87, -54.10, 56.01
CIELCh	82, 77.870, 134.005
Yxy	60.0535, 0.3222, 0.5117
Android (android.graphics.Color)	4286440283 (0xFF7DE35B)
YUV	180.9980, -44.3690, -49.1102
Hunter-Lab	77.4942, -48.5121, 39.3297

Details

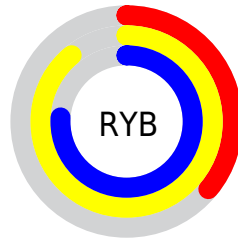
The XYZ color **37.8149, 60.0535, 19.4960** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **39.6016, 24.3677, 75.2925**, and the grayscale version is **44.1604, 46.4602, 50.5951**.

A 20% lighter version of the original color is **60.3993, 83.6316, 39.7472**, and **17.0463, 30.3710, 6.5539** is the 20% darker color. If you saturate the color by 10%, you get **34.7042, 58.5483, 14.9894**, and if you desaturate by 10%, it is **41.6507, 61.9020, 25.5846**.

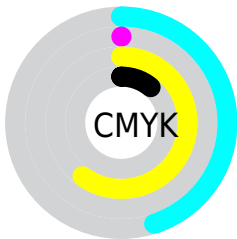
Distribution



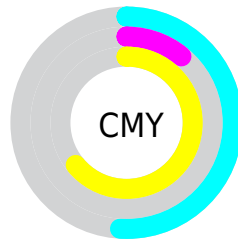
- Red (49%)
- Green (89%)
- Blue (36%)



- Red (36%)
- Yellow (89%)
- Blue (76%)



- Cyan (45%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)





- Cyan (51%)
- Magenta (11%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8149, 60.0535, 19.4960 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 37.8149, 60.0535, 19.4960 by changing the saturation by 10% instead.


 37.8149, 60.0535,
19.4960


 37.8149, 60.0535,
19.4960


328.1199,
424.7949, 261.6868


 26.0156, 43.4618,
11.8488


 71.1301, 104.9073,
43.4184


 16.9681, 30.2476,
6.5195


 93.3767, 133.9381,
60.5306

 10.3069, 20.0266,
3.0896


 119.8364,
167.8841, 81.6349

 5.6667, 12.4144,
1.1406

 150.8747,
207.1296, 107.1499

 2.6822, 7.0265,
0.0000

186.8568,
252.0590, 137.4940

 0.9880, 3.4787,
0.0000

228.1481,

 0.0000, 1.3865,

303.0568, 173.0858

0.0000

275.1140,
360.5073, 214.3439

■ 0.0000, 0.2067,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.8149, 60.0535,
19.4960

■ 37.8149, 60.0535,
19.4960

■ 34.7042, 58.5483,
14.9894

■ 41.6507, 61.9020,
25.5846

■ 32.2650, 57.3563,
11.9143


■ 46.2516, 64.1060,
33.3798


■ 30.4421, 56.4549,
10.0979


■ 51.6597, 66.6868,
42.9980


■ 29.1529, 55.8079,
9.2413

■ 57.9127, 69.6612,
54.5446

 29.1431, 55.8030,
9.2351

 65.0457, 73.0454,
68.1166

 73.0919, 76.8545,
83.8049

 82.0826, 81.1027,
101.6945

 86.7603, 83.4207,
106.1368

Harmonies

Analogous

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



49.7659, 60.0535, 11.0117



37.8149, 60.0535, 19.4960



31.7661, 60.0535, 43.4806

Triad

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



37.8149, 60.0535, 19.4960



48.8045, 60.0535, 196.7256



93.5704, 60.0535, 45.8353

Complementary

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



37.8149, 60.0535, 19.4960



39.6016, 24.3677, 75.2925

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.



93.1759, 60.0535, 93.6397



37.8149, 60.0535, 19.4960



65.0757, 60.0535, 198.4262

Square

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



37.8149, 60.0535, 19.4960



37.2281, 60.0535, 150.5982



81.9756, 60.0535, 154.5084



82.9676, 60.0535, 20.5050

Rectangle

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



37.8149, 60.0535, 19.4960



30.9967, 60.0535, 71.9170



81.9756, 60.0535, 154.5084



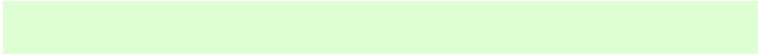
94.7745, 60.0535, 59.2667

Sweetspot

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



37.8163, 60.0561, 19.4973



76.9702, 91.4337, 73.9782



52.6394, 55.2289, 17.7843



15.9267, 19.3102, 14.8053



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.



37.8163, 60.0561, 19.4973



44.2860, 75.7824, 18.3221



35.4871, 58.6458, 28.8529



14.5252, 16.2623, 15.2778



17.0856, 32.5894, 5.3899



1.3461, 2.4513, 0.4022

Inverse Universe

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



39.6016, 24.3677, 75.2925



46.6530, 25.3482, 97.0415



45.0476, 27.6650, 53.4203



14.6248, 14.4243, 18.1577



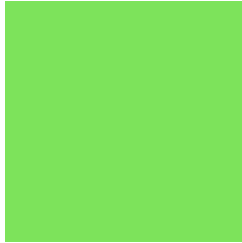
17.8986, 8.2930, 43.0405



1.4062, 0.6559, 3.1845

Previews

White Background



This preview shows how the XYZ color 37.8149, 60.0535, 19.4960 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 37.8149, 60.0535, 19.4960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

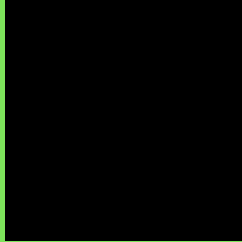
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8149, 60.0535, 19.4960

Background



This preview shows how black text looks on a background with the XYZ color 37.8149, 60.0535, 19.4960.



This preview shows how white text looks on a background with the XYZ color 37.8149, 60.0535,

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

37.8149, 60.0535, 19.4960

Protanopia

54.0075, 59.3595, 16.9985

Deuteranopia

60.4858, 59.2193, 20.5544



Tritanopia

50.6549, 59.7857, 83.7329

Trichromacy



Original Color

37.8149, 60.0535, 19.4960



Protanomaly

46.2500, 58.5939, 17.8889



Deuteranomaly

48.8908, 57.3631, 19.8046



Tritanomaly

44.1926, 59.0602, 51.7184

Monochromacy



Original Color

37.8149, 60.0535, 19.4960



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.2373, 50.1034, 35.5672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8149, 60.0535, 19.4960 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(125, 227, 91)` looks like.

```
.text, #text, p{  
    color:rgb(125, 227, 91)  
}
```

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(125, 227, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 227, 91) }
```

Border

The CSS property to change the border of an element to XYZ 37.8149, 60.0535, 19.4960 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(125, 227, 91) }
```


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

```
.border{ border-color:rgb(125, 227, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 227, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 227, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 227, 91);  
box-shadow:4px 4px 4px 4px rgb(125, 227,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8149, 60.0535, 19.4960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 227, 91) }
```

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

```
.background{ background-color: rgb(125,  
227, 91) }
```

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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