

Converting Colors

XYZ(38.7579, 60.4508, 20.0110)

Have a look what the booklet for
XYZ(38.7579, 60.4508, 20.0110)
contains.

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Color

**XYZ(38.8049, 60.5538,
19.9987)**

Conversions

Conversions Part 1

Format	Color
Hex	83E35D
RGB	131, 227, 93
RGB Percent	51%, 89%, 36%
CMY	0.4863, 0.1098, 0.6353
CMYK	0.42, 0.00, 0.59, 0.11
HSL	103°, 71%, 63%
HSV	103°, 59%, 89%
XYZ	38.8049, 60.5538, 19.9987
YIQ	183.0200, -14.2020, -62.0260

Conversions

Conversions Part 2

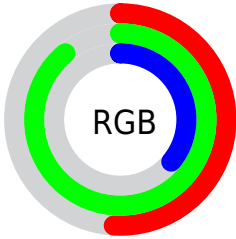
Format	Color
RYB	93, 227, 189
Decimal	8643421
CIELab	82.14, -52.08, 55.52
CIELCh	82, 76.125, 133.173
Yxy	60.5538, 0.3251, 0.5073
Android (android.graphics.Color)	4286833501 (0xFF83E35D)
YUV	183.0200, -44.3799, -45.6215
Hunter-Lab	77.8163, -47.1654, 39.2340

Details

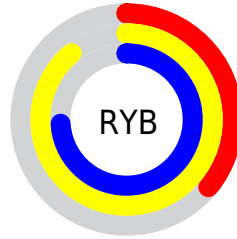
The XYZ color **38.8049, 60.5538, 19.9987** is a light color, and the websafe version is hex **66CC33**. The color can be described as light muted chartreuse. A complement of this color would be **38.7689, 24.1956, 75.3033**, and the grayscale version is **45.2635, 47.6207, 51.8590**.

A 20% lighter version of the original color is **62.0127, 84.4454, 40.6349**, and **17.5693, 30.6371, 6.7378** is the 20% darker color. If you saturate the color by 10%, you get **35.6210, 59.0137, 15.3580**, and if you desaturate by 10%, it is **42.6855, 62.4222, 26.2319**.

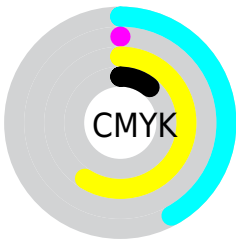
Distribution



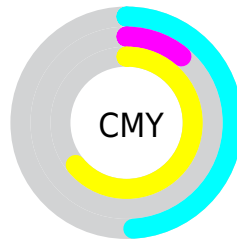
- Red (51%)
- Green (89%)
- Blue (36%)



- Red (36%)
- Yellow (89%)
- Blue (74%)



- Cyan (42%)
- Magenta (0%)
- Yellow (59%)
- Black (11%)



- Cyan (49%)
- Magenta (11%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8049, 60.5538, 19.9987 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 38.8049, 60.5538, 19.9987 by changing the saturation by 10% instead.

■ 38.8049, 60.5538,
19.9987

■ 38.8049, 60.5538,
19.9987

332.2818,
426.6361, 264.5121

■ 26.7880, 43.8652,
12.2100

■ 72.6362, 105.6326,
44.2739

■ 17.5499, 30.5645,
6.7626

■ 95.1813, 134.7916,
61.5976

■ 10.7250, 20.2675,
3.2379

■ 121.9665,
168.8761, 82.9367

■ 5.9482, 12.5896,
1.2174

■ 153.3572,
208.2706, 108.7097

■ 2.8539, 7.1466,
0.0000

189.7187,
253.3594, 139.3352

■ 1.0770, 3.5539,
0.0000

231.4164,

■ 0.0057, 1.4273,

304.5270, 175.2317

0.0000

278.8156,
362.1578, 216.8179

■ 0.0000, 0.2367,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.8049, 60.5538,
19.9987

■ 38.8049, 60.5538,
19.9987

■ 35.6210, 59.0137,
15.3580

■ 42.6855, 62.4222,
26.2319

■ 33.0838, 57.7739,
12.1613


■ 47.2996, 64.6298,
34.1805


■ 31.1426, 56.8137,
10.2389


■ 52.6864, 67.1959,
43.9601

■ 29.7255, 56.1019,
9.3253


■ 58.8809, 70.1364,
55.6749

 29.6087, 56.0431,
9.2569

 65.9158, 73.4660,
69.4216

 73.8220, 77.1988,
85.2900

 82.6288, 81.3479,
103.3649

 86.7604, 83.4207,
106.1368

Harmonies

Analogous

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



50.7598, 60.5538, 11.6996



38.8049, 60.5538, 19.9987



32.6415, 60.5538, 43.3814

Triad

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



38.8049, 60.5538, 19.9987



49.0201, 60.5538, 193.0586



93.4205, 60.5538, 47.6609

Complementary

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



38.8049, 60.5538, 19.9987



38.7689, 24.1956, 75.3033

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.



92.7140, 60.5538, 95.1942



38.8049, 60.5538, 19.9987



64.9302, 60.5538, 196.0799

Square

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



38.8049, 60.5538, 19.9987



37.7377, 60.5538, 147.4852



81.5397, 60.5538, 154.4546



83.3196, 60.5538, 21.8652

Rectangle

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



38.8049, 60.5538, 19.9987



31.7705, 60.5538, 70.9823



81.5397, 60.5538, 154.4546



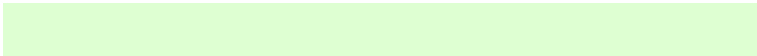
94.4880, 60.5538, 61.1287

Sweetspot

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



38.8064, 60.5564, 20.0000



77.4404, 91.6762, 74.0003



51.3848, 52.5797, 17.7974



16.0399, 19.3686, 14.8106



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.



38.8064, 60.5564, 20.0000



45.4937, 76.3953, 18.8177



35.3632, 58.6194, 27.1578



14.5712, 16.2860, 15.2800



17.3659, 32.7339, 5.4030



1.3722, 2.4647, 0.4034

Inverse Universe

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



38.7689, 24.1956, 75.3033



45.3050, 24.9007, 97.0262



46.0440, 28.3407, 57.8125



14.5760, 14.3991, 18.1554



16.9712, 7.8149, 42.9971



1.3440, 0.6239, 3.1815

Previews

White Background



This preview shows how the XYZ color 38.8049, 60.5538, 19.9987 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 38.8049, 60.5538, 19.9987 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

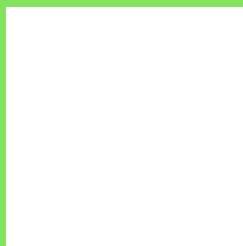
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8049, 60.5538, 19.9987

Background



This preview shows how black text looks on a background with the XYZ color 38.8049, 60.5538, 19.9987.

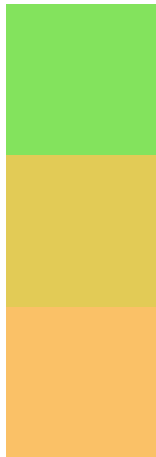


This preview shows how white text looks on a background with the XYZ color 38.8049, 60.5538,

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

38.8049, 60.5538, 19.9987

Protanopia

54.3997, 59.5525, 17.4317

Deuteranopia

60.9425, 59.4432, 21.0936



Tritanopia

51.5947, 60.2702, 83.7769

Trichromacy



Original Color

38.8049, 60.5538, 19.9987



Protanomaly

46.8325, 58.8846, 18.3487



Deuteranomaly

49.8156, 57.8289, 20.3409



Tritanomaly

45.1637, 59.5491, 52.2938

Monochromacy



Original Color

38.8049, 60.5538, 19.9987



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.2383, 50.9414, 36.5133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8049, 60.5538, 19.9987 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(131, 227, 93)` looks like.

```
.text, #text, p{  
    color:rgb(131, 227, 93)  
}
```

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(131, 227, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 227, 93) }
```

Border

The CSS property to change the border of an element to XYZ 38.8049, 60.5538, 19.9987 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(131, 227, 93) }
```


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

```
.border{ border-color:rgb(131, 227, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 227, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 227, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 227, 93);  
box-shadow:4px 4px 4px 4px rgb(131, 227,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8049, 60.5538, 19.9987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 227, 93) }
```

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

```
.background{ background-color: rgb(131,  
227, 93) }
```

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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