

Converting Colors

XYZ(38.6066, 60.1712, 31.9917)

Have a look what the booklet for
XYZ(38.6066, 60.1712, 31.9917)
contains.

XYZ(38.5822, 60.1701, 32.1348)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.5822, 60.1701,
32.1348)**

Conversions

Conversions Part 1

Format	Color
Hex	71E386
RGB	113, 227, 134
RGB Percent	44%, 89%, 53%
CMY	0.5569, 0.1098, 0.4745
CMYK	0.50, 0.00, 0.41, 0.11
HSL	131°, 67%, 67%
HSV	131°, 50%, 89%
XYZ	38.5822, 60.1701, 32.1348
YIQ	182.3120, -38.0910, -53.0910

Conversions

Conversions Part 2

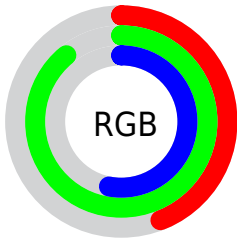
Format	Color
RYB	113, 209, 227
Decimal	7463814
CIELab	81.93, -51.90, 35.69
CIELCh	82, 62.986, 145.487
Yxy	60.1701, 0.2948, 0.4597
Android (android.graphics.Color)	4285653894 (0xFF71E386)
YUV	182.3120, -23.8178, -60.7866
Hunter-Lab	77.5694, -46.9624, 29.7364

Details

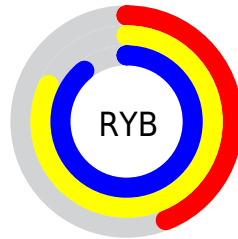
The XYZ color **38.5822, 60.1701, 32.1348** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **48.7261, 32.5985, 62.1182**, and the grayscale version is **44.7755, 47.1073, 51.2999**.

A 20% lighter version of the original color is **61.6317, 83.8088, 60.5053**, and **17.4895, 30.4542, 13.1401** is the 20% darker color. If you saturate the color by 10%, you get **34.8385, 58.3783, 25.7981**, and if you desaturate by 10%, it is **43.2855, 62.4339, 39.6997**.

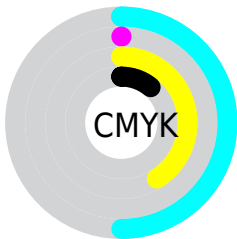
Distribution



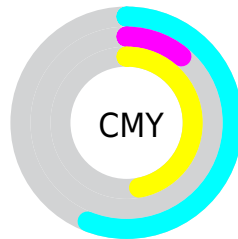
- Red (44%)
- Green (89%)
- Blue (53%)



- Red (44%)
- Yellow (82%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)





- Cyan (56%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5822, 60.1701, 32.1348 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 38.5822, 60.1701, 32.1348 by changing the saturation by 10% instead.


 38.5822, 60.1701,
32.1348


 38.5822, 60.1701,
32.1348


331.3487,
425.2245, 326.2445


 26.6141, 43.5558,
21.1988


 72.2978, 105.0764,
64.1227

 17.4187, 30.3214,
13.0767


 94.7760, 134.1371,
86.0117

 10.6306, 20.0827,
7.3501


 121.4883,
168.1154, 112.3888

 5.8845, 12.4552,
3.6002

152.8001,
207.3957, 143.6725

 2.8150, 7.0545,
1.4087

189.0767,
252.3623, 180.2814

 1.0567, 3.4962,
0.1485

230.6834,

 0.0000, 1.3959,

303.3998, 222.6340

0.0000

277.9856,
360.8923, 271.1489

■ 0.0000, 0.2137,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5822, 60.1701,
32.1348

■ 38.5822, 60.1701,
32.1348

■ 34.8385, 58.3783,
25.7981

■ 43.2855, 62.4339,
39.6997

■ 31.9824, 57.0175,
20.6207


■ 49.0045, 65.1922,
48.5486


■ 29.9393, 56.0526,
16.5333


■ 55.7964, 68.4751,
58.7388

■ 28.6193, 55.4388,
13.4574

■ 63.7127, 72.3079,
70.3230

 27.8849, 55.1064,
11.3404

 72.8017, 76.7145,
83.3511

 83.1087, 81.7172,
97.8703

 86.7603, 83.4205,
106.1368

Harmonies

Analogous

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



46.8658, 60.1701, 19.1161



38.5822, 60.1701, 32.1348



35.2765, 60.1701, 59.9137

Triad

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



38.5822, 60.1701, 32.1348



55.1991, 60.1701, 169.1577



83.5518, 60.1701, 38.7587

Complementary

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



38.5822, 60.1701, 32.1348



48.7261, 32.5985, 62.1182

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.



86.6960, 60.1701, 71.4550



38.5822, 60.1701, 32.1348



68.9286, 60.1701, 156.4868

Square

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



38.5822, 60.1701, 32.1348



43.8764, 60.1701, 146.4030



80.9850, 60.1701, 116.4559



72.9560, 60.1701, 21.7680

Rectangle

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



38.5822, 60.1701, 32.1348



35.8962, 60.1701, 87.1076



80.9850, 60.1701, 116.4559



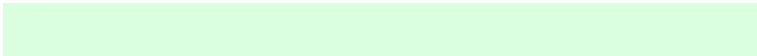
85.5789, 60.1701, 47.8227

Sweetspot

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



38.5837, 60.1726, 32.1362



77.7279, 91.6042, 83.9610



55.9334, 69.2694, 26.0455



16.1755, 19.3836, 17.2943



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.



38.5837, 60.1726, 32.1362



45.2812, 75.9615, 33.4599



43.6738, 62.2086, 58.9400



14.2972, 16.1323, 15.8300



16.2929, 32.1493, 6.7770



1.2353, 2.3882, 0.6657

Inverse Universe

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



48.7261, 32.5985, 62.1182



59.8309, 36.2986, 76.3917



43.0181, 30.3153, 32.0607



14.8752, 14.5673, 17.5433



23.6336, 11.5877, 28.0292



1.7761, 0.8682, 2.2275

Previews

White Background



This preview shows how the XYZ color 38.5822, 60.1701, 32.1348 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 38.5822, 60.1701, 32.1348 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 38.5822, 60.1701, 32.1348

Background



This preview shows how black text looks on a background with the XYZ color 38.5822, 60.1701, 32.1348.



This preview shows how white text looks on a background with the XYZ color 38.5822, 60.1701,

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

38.5822, 60.1701, 32.1348

Protanopia

54.5774, 59.0684, 27.5936

Deuteranopia

60.4499, 59.2373, 33.8391



Tritanopia

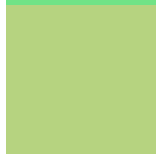
49.1618, 59.7183, 86.0265

Trichromacy



Original Color

38.5822, 60.1701, 32.1348



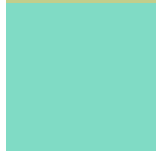
Protanomaly

46.4820, 58.0921, 29.1851



Deuteranomaly

48.9796, 57.4760, 32.9386



Tritanomaly

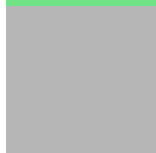
44.3116, 59.2834, 61.9307

Monochromacy



Original Color

38.5822, 60.1701, 32.1348



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

40.8902, 50.2729, 43.1458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5822, 60.1701, 32.1348 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(113, 227, 134)` looks like.

```
.text, #text, p{  
    color:rgb(113, 227, 134)  
}
```

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(113, 227, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 227, 134) }
```

Border

The CSS property to change the border of an element to XYZ 38.5822, 60.1701, 32.1348 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(113, 227, 134) }
```


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

```
.border{ border-color:rgb(113, 227, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 227, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 227, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 227, 134); box-shadow:4px 4px 4px 4px rgb(113, 227, 134) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5822, 60.1701, 32.1348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 227, 134) }
```

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

```
.background{ background-color: rgb(113,  
227, 134) }
```

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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