

Converting Colors

XYZ(38.2435, 56.7468, 33.9847)

Have a look what the booklet for
XYZ(38.2435, 56.7468, 33.9847)
contains.

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Color

**XYZ(38.3076, 56.7971,
34.1432)**

Conversions

Conversions Part 1

Format	Color
Hex	7BDB8D
RGB	123, 219, 141
RGB Percent	48%, 86%, 55%
CMY	0.5176, 0.1412, 0.4471
CMYK	0.44, 0.00, 0.36, 0.14
HSL	131°, 57%, 67%
HSV	131°, 44%, 86%
XYZ	38.3076, 56.7971, 34.1432
YIQ	181.4040, -32.1780, -44.6100

Conversions

Conversions Part 2

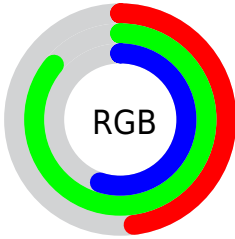
Format	Color
RYB	123, 204, 219
Decimal	8117133
CIELab	80.07, -44.74, 29.75
CIELCh	80, 53.731, 146.376
Yxy	56.7971, 0.2964, 0.4394
Android (android.graphics.Color)	4286307213 (0xFF7BDB8D)
YUV	181.4040, -19.9192, -51.2203
Hunter-Lab	75.3639, -41.1548, 25.8937

Details

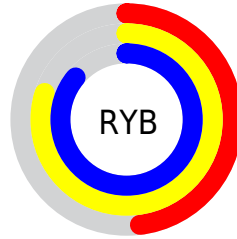
The XYZ color **38.3076, 56.7971, 34.1432** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **46.8408, 33.4441, 59.2468**, and the grayscale version is **44.2580, 46.5628, 50.7069**.

A 20% lighter version of the original color is **64.4327, 85.1634, 64.6720**, and **17.1894, 28.0908, 14.1890** is the 20% darker color. If you saturate the color by 10%, you get **34.2990, 54.8731, 27.5911**, and if you desaturate by 10%, it is **43.2327, 59.1722, 41.8510**.

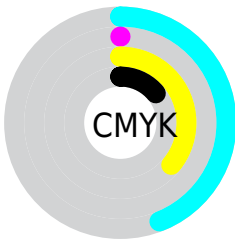
Distribution



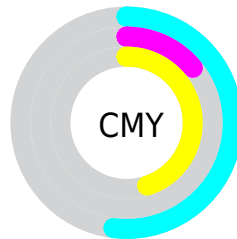
- Red (48%)
- Green (86%)
- Blue (55%)



- Red (48%)
- Yellow (80%)
- Blue (86%)



- Cyan (44%)
- Magenta (0%)
- Yellow (36%)
- Black (14%)



- Cyan (52%)
- Magenta (14%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3076, 56.7971, 34.1432 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 38.3076, 56.7971, 34.1432 by changing the saturation by 10% instead.

■ 38.3076, 56.7971,
34.1432

■ 38.3076, 56.7971,
34.1432

330.1957,
412.6886, 335.5587

■ 26.3998, 40.8424,
22.7254

■ 71.8802, 100.1691,
67.2927

■ 17.2572, 28.1959,
14.1875

■ 94.2758, 128.3551,
89.8615

■ 10.5145, 18.4734,
8.1109

■ 120.8980,
161.3870, 116.9844

■ 5.8063, 11.2904,
4.0772

152.1121,
199.6492, 149.0799

■ 2.7672, 6.2625,
1.6678

188.2836,
243.5260, 186.5665

■ 1.0319, 3.0054,
0.3385

229.7778,

■ 0.0000, 1.1345,

293.4020, 229.8628

0.0000

276.9601,
349.6613, 279.3874

■ 0.0000, 0.0072,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.3076, 56.7971,
34.1432

■ 38.3076, 56.7971,
34.1432

■ 34.2990, 54.8731,
27.5911

■ 43.2327, 59.1722,
41.8510

■ 31.1449, 53.3646,
22.1354


■ 49.1222, 62.0172,
50.7626


■ 28.7829, 52.2423,
17.7170


■ 56.0260, 65.3584,
60.9280


■ 27.1394, 51.4696,
14.2699


■ 63.9891, 69.2180,
72.3931

 26.1266, 51.0029,
11.7202

 73.0540, 73.6170,
85.2015

 25.7340, 50.8258,
10.5578

 83.2606, 78.5751,
99.3950

 84.6226, 79.1453,
105.4242

Harmonies

Analogous

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



45.1757, 56.7971, 22.0748



38.3076, 56.7971, 34.1432



35.6096, 56.7971, 58.1153

Triad

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



38.3076, 56.7971, 34.1432



52.6664, 56.7971, 143.4529



75.0850, 56.7971, 38.7728

Complementary

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



38.3076, 56.7971, 34.1432



46.8408, 33.4441, 59.2468

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.



77.7904, 56.7971, 65.7255



38.3076, 56.7971, 34.1432



63.8686, 56.7971, 132.9521

Square

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



38.3076, 56.7971, 34.1432



43.1631, 56.7971, 126.7149



73.4418, 56.7971, 101.5153



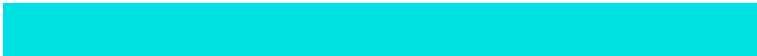
66.4772, 56.7971, 24.0452

Rectangle

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



38.3076, 56.7971, 34.1432



36.2273, 56.7971, 80.4101



73.4418, 56.7971, 101.5153



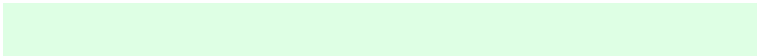
76.7609, 56.7971, 46.3786

Sweetspot

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



38.3091, 56.7995, 34.1445



79.8510, 92.6310, 87.1177



53.1039, 64.5689, 28.4034



16.5947, 19.5863, 17.9232



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.



38.3091, 56.7995, 34.1445



48.6106, 77.5526, 39.2726



42.6435, 58.5332, 56.9691



12.9858, 14.6459, 14.3880



15.2881, 30.1479, 6.4167



1.0202, 1.9650, 0.5727

Inverse Universe

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



46.8408, 33.4441, 59.2468



62.1735, 40.3509, 79.1234



42.0808, 31.5401, 34.1814



13.5042, 13.2308, 15.9164



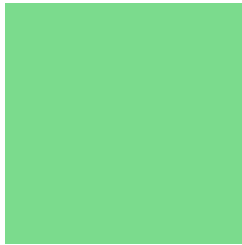
22.1214, 10.8496, 26.0833



1.4608, 0.7139, 1.8353

Previews

White Background



This preview shows how the XYZ color 38.3076, 56.7971, 34.1432 looks on a white background.

Color Contrast Check

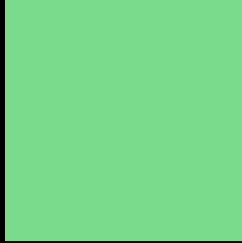
Large Text (above 18pt) WCAG AA × Fail

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 38.3076, 56.7971, 34.1432 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 38.3076, 56.7971, 34.1432

Background



This preview shows how black text looks on a background with the XYZ color 38.3076, 56.7971, 34.1432.

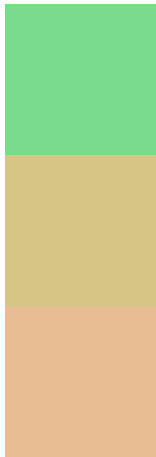


This preview shows how white text looks on a background with the XYZ color 38.3076, 56.7971,

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

38.3076, 56.7971, 34.1432

Protanopia

51.8627, 55.8946, 29.8851

Deuteranopia

57.1472, 55.8569, 35.7865



Tritanopia

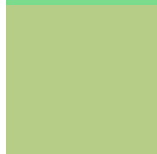
47.3756, 56.6999, 79.6814

Trichromacy



Original Color

38.3076, 56.7971, 34.1432



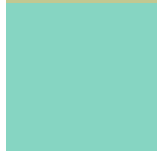
Protanomaly

45.2606, 55.2357, 31.1977



Deuteranomaly

47.7574, 54.6903, 34.8273



Tritanomaly

43.3634, 56.5519, 59.6690

Monochromacy



Original Color

38.3076, 56.7971, 34.1432



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.8952, 49.2570, 43.4285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3076, 56.7971, 34.1432 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(123, 219, 141)` looks like.

```
.text, #text, p{  
    color:rgb(123, 219, 141)  
}
```

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(123, 219, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 219, 141) }
```

Border

The CSS property to change the border of an element to XYZ 38.3076, 56.7971, 34.1432 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(123, 219, 141) }
```


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

```
.border{ border-color:rgb(123, 219, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 219, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 219, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 219, 141); box-shadow:4px 4px 4px 4px rgb(123, 219, 141) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3076, 56.7971, 34.1432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 219, 141) }
```

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

```
.background{ background-color: rgb(123,  
219, 141) }
```

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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