

Converting Colors

XYZ(37.6604, 55.6766, 30.1780)

Have a look what the booklet for
XYZ(37.6604, 55.6766, 30.1780)
contains.

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Color

**XYZ(37.8117, 55.8536,
30.2607)**

Conversions

Conversions Part 1

Format	Color
Hex	80D983
RGB	128, 217, 131
RGB Percent	50%, 85%, 51%
CMY	0.4980, 0.1490, 0.4863
CMYK	0.41, 0.00, 0.40, 0.15
HSL	122°, 54%, 68%
HSV	122°, 41%, 85%
XYZ	37.8117, 55.8536, 30.2607
YIQ	180.5850, -25.4380, -45.6140

Conversions

Conversions Part 2

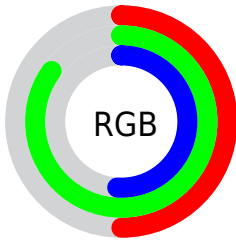
Format	Color
RYB	128, 214, 217
Decimal	8444291
CIELab	79.53, -44.04, 34.19
CIELCh	80, 55.751, 142.174
Yxy	55.8536, 0.3051, 0.4507
Android (android.graphics.Color)	4286634371 (0xFF80D983)
YUV	180.5850, -24.4454, -46.1170
Hunter-Lab	74.7353, -40.4761, 28.3079

Details

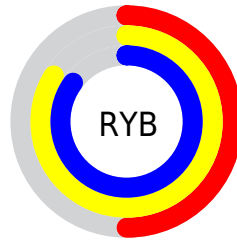
The XYZ color **37.8117, 55.8536, 30.2607** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **48.4738, 35.0462, 67.8300**, and the grayscale version is **43.8357, 46.1185, 50.2231**.

A 20% lighter version of the original color is **64.2841, 85.2131, 58.9586**, and **16.8653, 27.4466, 11.9983** is the 20% darker color. If you saturate the color by 10%, you get **33.6099, 53.8371, 23.3817**, and if you desaturate by 10%, it is **43.0019, 58.3497, 38.6896**.

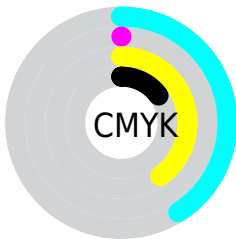
Distribution



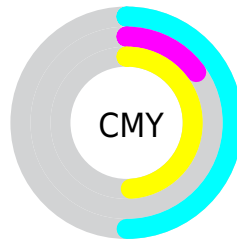
- Red (50%)
- Green (85%)
- Blue (51%)



- Red (50%)
- Yellow (84%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (40%)
- Black (15%)





- Cyan (50%)
- Magenta (15%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8117, 55.8536, 30.2607 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 37.8117, 55.8536, 30.2607 by changing the saturation by 10% instead.


 37.8117, 55.8536,
30.2607


 37.8117, 55.8536,
30.2607


328.1064,
409.1395, 317.3628


 26.0131, 40.0856,
19.7828


 71.1252, 98.7905,
61.1401

 16.9662, 27.6053,
12.0548


 93.3708, 126.7281,
82.3787

 10.3055, 18.0283,
6.6580

 119.8295,
159.4911, 108.0413

 5.6658, 10.9703,
3.1740

150.8666,
197.4638, 138.5463

 2.6817, 6.0469,
1.1841

186.8475,
241.0306, 174.3125

 0.9878, 2.8736,
0.0000

228.1375,

 0.0000, 1.0661,

290.5759, 215.7583

0.0000

275.1020,
346.4841, 263.3022

■ 0.0000, 0.0000,
0.0000

■ 37.8117, 55.8536,
30.2607

■ 37.8117, 55.8536,
30.2607

■ 33.6099, 53.8371,
23.3817

■ 43.0019, 58.3497,
38.6896

■ 30.3300, 52.2629,
17.9548

■ 49.2332, 61.3458,
48.7507

■ 27.9038, 51.0999,
13.8769


■ 56.5597, 64.8698,
60.5251


■ 26.2521, 50.3097,
11.0300

■ 65.0304, 68.9451,
74.0875

■ 25.2806, 49.8467,
9.2756

■ 74.6913, 73.5942,
89.5078

 24.8540, 49.6439,
8.4824

 84.1040, 78.1079,
105.2513

Harmonies

Analogous

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



45.3577, 55.8536, 19.6803



37.8117, 55.8536, 30.2607



34.4624, 55.8536, 52.7879

Triad

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



37.8117, 55.8536, 30.2607



50.2049, 55.8536, 144.8026



75.6635, 55.8536, 40.3584

Complementary

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



37.8117, 55.8536, 30.2607



48.4738, 35.0462, 67.8300

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.



77.4426, 55.8536, 69.6173



37.8117, 55.8536, 30.2607



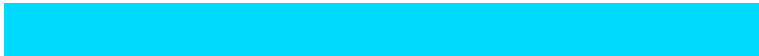
61.6484, 55.8536, 137.8003

Square

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



37.8117, 55.8536, 30.2607



40.9310, 55.8536, 123.7970



72.0056, 55.8536, 107.0922



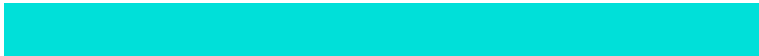
67.4393, 55.8536, 23.9158

Rectangle

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



37.8117, 55.8536, 30.2607



34.6758, 55.8536, 74.7896



72.0056, 55.8536, 107.0922



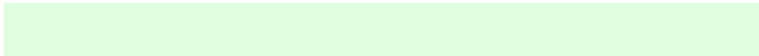
77.0778, 55.8536, 48.6997

Sweetspot

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



37.8131, 55.8559, 30.2619



80.2742, 92.8911, 85.2424



56.4528, 65.4882, 30.0876



16.8693, 19.7321, 17.7434



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.



37.8131, 55.8559, 30.2619



49.2951, 77.9984, 35.1079



41.5003, 57.3308, 49.6783



12.9042, 14.6133, 13.9586



15.0524, 30.0536, 5.1755



0.9816, 1.9496, 0.3690

Inverse Universe

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



48.4738, 35.0462, 67.8300



66.6082, 44.1901, 96.1092



43.5477, 33.0757, 41.8895



13.5944, 13.2669, 16.3915



24.3484, 11.7404, 37.8104



1.5835, 0.7630, 2.4815

Previews

White Background



This preview shows how the XYZ color 37.8117, 55.8536, 30.2607 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 37.8117, 55.8536, 30.2607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

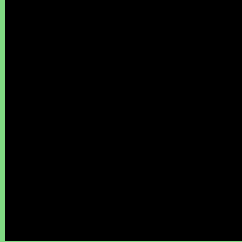
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8117, 55.8536, 30.2607

Background



This preview shows how black text looks on a background with the XYZ color 37.8117, 55.8536, 30.2607.

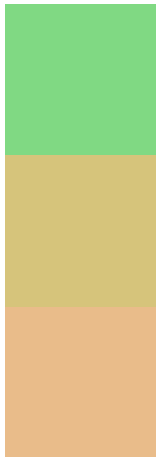


This preview shows how white text looks on a background with the XYZ color 37.8117, 55.8536,

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

37.8117, 55.8536, 30.2607

Protanopia

51.0466, 55.2061, 26.7043

Deuteranopia

56.1749, 55.1251, 31.7242



Tritanopia

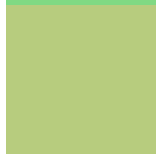
47.2446, 55.5813, 78.0502

Trichromacy



Original Color

37.8117, 55.8536, 30.2607



Protanomaly

44.8872, 54.7594, 27.9425



Deuteranomaly

47.3023, 54.1982, 30.8899



Tritanomaly

42.9883, 55.2999, 57.1234

Monochromacy



Original Color

37.8117, 55.8536, 30.2607



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.8029, 48.9093, 41.9402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8117, 55.8536, 30.2607 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(128, 217, 131)` looks like.

```
.text, #text, p{  
    color:rgb(128, 217, 131)  
}
```

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(128, 217, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 217, 131) }
```

Border

The CSS property to change the border of an element to XYZ 37.8117, 55.8536, 30.2607 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(128, 217, 131) }
```


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

```
.border{ border-color:rgb(128, 217, 131) }
```

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

Here you see how a box with a 4 pixel rgb(128, 217, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 217, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 217, 131);  
box-shadow:4px 4px 4px 4px rgb(128, 217,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8117, 55.8536, 30.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 217, 131) }
```

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

```
.background{ background-color: rgb(128,  
217, 131) }
```

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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