

Converting Colors

XYZ(37.1868, 54.1583, 31.3754)

Have a look what the booklet for
XYZ(37.1868, 54.1583, 31.3754)
contains.

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Color

**XYZ(37.0695, 53.9270,
31.3768)**

Conversions

Conversions Part 1

Format	Color
Hex	80D587
RGB	128, 213, 135
RGB Percent	50%, 84%, 53%
CMY	0.4980, 0.1647, 0.4706
CMYK	0.40, 0.00, 0.37, 0.16
HSL	125°, 50%, 67%
HSV	125°, 40%, 84%
XYZ	37.0695, 53.9270, 31.3768
YIQ	178.6930, -25.6220, -42.2780

Conversions

Conversions Part 2

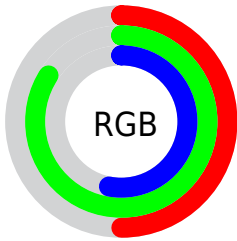
Format	Color
RYB	128, 207, 213
Decimal	8443271
CIELab	78.42, -41.67, 30.69
CIELCh	78, 51.750, 143.628
Yxy	53.9270, 0.3029, 0.4407
Android (android.graphics.Color)	4286633351 (0xFF80D587)
YUV	178.6930, -21.5406, -44.4578
Hunter-Lab	73.4350, -38.4057, 26.0715

Details

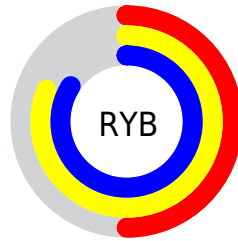
The XYZ color **37.0695, 53.9270, 31.3768** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **46.3021, 34.0417, 62.5248**, and the grayscale version is **42.8062, 45.0355, 49.0436**.

A 20% lighter version of the original color is **64.7125, 85.3845, 61.2143**, and **16.5747, 26.5103, 12.6309** is the 20% darker color. If you saturate the color by 10%, you get **32.9436, 51.9463, 24.6479**, and if you desaturate by 10%, it is **42.1233, 56.3600, 39.4702**.

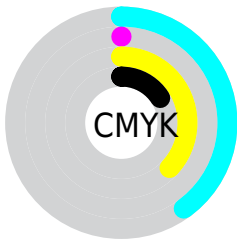
Distribution



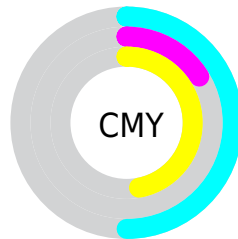
- Red (50%)
- Green (84%)
- Blue (53%)



- Red (50%)
- Yellow (81%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (37%)
- Black (16%)





- Cyan (50%)
- Magenta (16%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0695, 53.9270, 31.3768 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 37.0695, 53.9270, 31.3768 by changing the saturation by 10% instead.


 37.0695, 53.9270,
31.3768


 37.0695, 53.9270,
31.3768


324.9616,
401.8316, 322.6753


 25.4352, 38.5433,
20.6251


 69.9928, 95.9671,
62.9193

 16.5321, 26.4046,
12.6617

 92.0125, 123.3922,
84.5472

 9.9947, 17.1266,
7.0680


 118.2248,
155.5999, 110.6376

 5.4577, 10.3248,
3.4256

148.9950,
192.9747, 141.6089

 2.5557, 5.6148,
1.3158

184.6884,
235.9008, 177.8799

 0.9234, 2.6123,
0.0747

225.6704,

 0.0000, 0.9329,

284.7628, 219.8689

0.0000

272.3064,
339.9449, 267.9945

■ 0.0000, 0.0000,
0.0000

■ 37.0695, 53.9270,
31.3768

■ 37.0695, 53.9270,
31.3768

■ 32.9436, 51.9463,
24.6479

■ 42.1233, 56.3600,
39.4702

■ 29.6852, 50.3836,
19.2051

■ 48.1525, 59.2636,
48.9937

■ 27.2334, 49.2109,
14.9673


■ 55.2060, 62.6633,
60.0129


■ 25.5172, 48.3935,
11.8431


■ 63.3286, 66.5807,
72.5884

■ 24.4535, 47.8909,
9.7278

■ 72.5622, 71.0363,
86.7774

 23.9048, 47.6347,
8.4951

 82.6502, 75.8966,
102.6203

 23.9008, 47.6329,
8.4873

 83.0853, 76.0707,
104.9118

Harmonies

Analogous

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



43.8120, 53.9270, 20.9058



37.0695, 53.9270, 31.3768



34.1765, 53.9270, 52.7196

Triad

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



37.0695, 53.9270, 31.3768



49.1166, 53.9270, 133.8010



71.3371, 53.9270, 39.0119

Complementary

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



37.0695, 53.9270, 31.3768



46.3021, 34.0417, 62.5248

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.



73.2466, 53.9270, 65.1535



37.0695, 53.9270, 31.3768



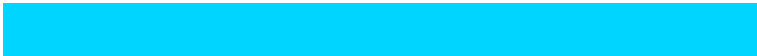
59.4988, 53.9270, 126.4111

Square

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



37.0695, 53.9270, 31.3768



40.5134, 53.9270, 116.3304



68.6662, 53.9270, 98.5779



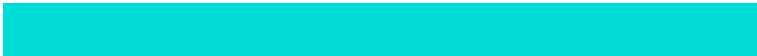
63.7473, 53.9270, 24.1856

Rectangle

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



37.0695, 53.9270, 31.3768



34.5055, 53.9270, 72.9243



68.6662, 53.9270, 98.5779



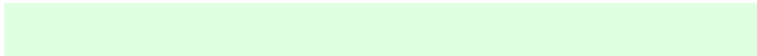
72.7028, 53.9270, 46.4869

Sweetspot

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



37.0709, 53.9293, 31.3780



80.4787, 92.9729, 86.3193



53.5182, 62.4633, 29.6583



16.9169, 19.7512, 17.9944



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.



37.0709, 53.9293, 31.3780



50.3036, 78.4476, 38.3509



40.5508, 55.3212, 49.7031



12.3035, 13.9124, 13.4128



14.6143, 29.1011, 5.2648



0.8962, 1.7611, 0.3952

Inverse Universe

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



46.3021, 34.0417, 62.5248



66.0419, 44.5133, 91.4322



41.9377, 32.2960, 39.5423



12.9068, 12.6142, 15.4497



22.8288, 11.0678, 32.7321



1.3903, 0.6729, 2.0445

Previews

White Background



This preview shows how the XYZ color 37.0695, 53.9270, 31.3768 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 37.0695, 53.9270, 31.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

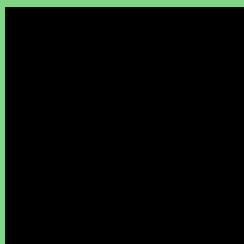
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

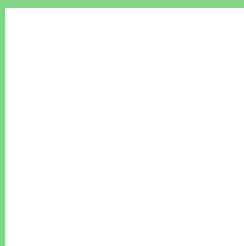
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0695, 53.9270, 31.3768

Background



This preview shows how black text looks on a background with the XYZ color 37.0695, 53.9270, 31.3768.



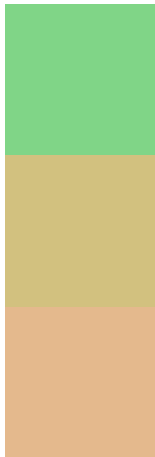
This preview shows how white text looks on a background with the XYZ color 37.0695, 53.9270,

31.3768.

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

37.0695, 53.9270, 31.3768

Protanopia

49.4791, 53.3739, 27.7730

Deuteranopia

54.1516, 53.1150, 32.5974



Tritanopia

45.8192, 53.8461, 74.9962

Trichromacy



Original Color

37.0695, 53.9270, 31.3768



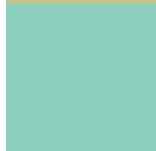
Protanomaly

43.5059, 52.6236, 28.9834



Deuteranomaly

45.9135, 52.1008, 32.0626



Tritanomaly

42.0374, 53.7455, 55.7353

Monochromacy



Original Color

37.0695, 53.9270, 31.3768



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

39.7389, 47.3795, 41.7010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0695, 53.9270, 31.3768 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, 213, 135)` looks like.

```
.text, #text, p{  
    color:rgb(128, 213, 135)  
}
```

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, 213, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 213, 135) }
```

Border

The CSS property to change the border of an element to XYZ 37.0695, 53.9270, 31.3768 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, 213, 135) }
```


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

```
.border{ border-color:rgb(128, 213, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 213, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 213, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 213, 135);  
box-shadow:4px 4px 4px 4px rgb(128, 213,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0695, 53.9270, 31.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 213, 135) }
```

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

```
.background{ background-color: rgb(128,  
213, 135) }
```

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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