

Converting Colors

XYZ(37.9573, 54.3858, 31.4440)

Have a look what the booklet for
XYZ(37.9573, 54.3858, 31.4440)
contains.

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Color

**XYZ(37.9989, 54.4061,
31.4203)**

Conversions

Conversions Part 1

Format	Color
Hex	86D587
RGB	134, 213, 135
RGB Percent	53%, 84%, 53%
CMY	0.4745, 0.1647, 0.4706
CMYK	0.37, 0.00, 0.37, 0.16
HSL	121°, 48%, 68%
HSV	121°, 37%, 84%
XYZ	37.9989, 54.4061, 31.4203
YIQ	180.4870, -22.0460, -41.0060

Conversions

Conversions Part 2

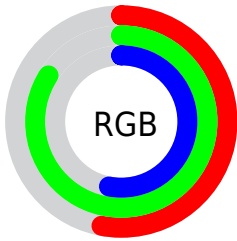
Format	Color
RYB	134, 212, 213
Decimal	8836487
CIELab	78.70, -39.84, 31.11
CIELCh	79, 50.548, 142.018
Yxy	54.4061, 0.3069, 0.4394
Android (android.graphics.Color)	4287026567 (0xFF86D587)
YUV	180.4870, -22.4251, -40.7691
Hunter-Lab	73.7605, -37.1237, 26.3761

Details

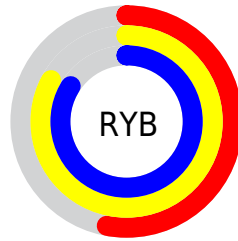
The XYZ color **37.9989, 54.4061, 31.4203** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **47.8510, 35.9508, 66.7064**, and the grayscale version is **43.7708, 46.0503, 50.1488**.

A 20% lighter version of the original color is **66.1805, 86.1413, 61.2830**, and **17.1354, 26.7993, 12.6572** is the 20% darker color. If you saturate the color by 10%, you get **33.6025, 52.2958, 24.2342**, and if you desaturate by 10%, it is **43.3743, 56.9905, 40.1811**.

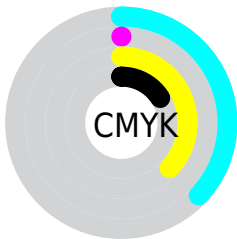
Distribution



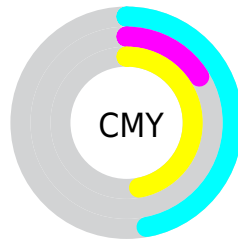
- Red (53%)
- Green (84%)
- Blue (53%)



- Red (53%)
- Yellow (83%)
- Blue (84%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9989, 54.4061, 31.4203 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 37.9989, 54.4061, 31.4203 by changing the saturation by 10% instead.

37.9989, 54.4061,
31.4203

37.9989, 54.4061,
31.4203

328.8962,
403.6567, 322.8809

26.1590, 38.9264,
20.6580

71.4104, 96.6703,
62.9885

17.0760, 26.7025,
12.6854

93.7127, 124.2235,
84.6314

10.3843, 17.3499,
7.0841

120.2332,
156.5701, 110.7383

5.7187, 10.4843,
3.4355

151.3373,
194.0944, 141.7277

2.7138, 5.7212,
1.3211

187.3902,
237.1808, 178.0181

1.0043, 2.6763,
0.0790

228.7575,

0.0000, 0.9652,

286.2138, 220.0281

0.0000

275.8043,
341.5776, 268.1762

■ 0.0000, 0.0000,
0.0000

■ 37.9989, 54.4061,
31.4203

■ 37.9989, 54.4061,
31.4203

■ 33.6025, 52.2958,
24.2342

■ 43.3743, 56.9905,
40.1811

■ 30.1224, 50.6245,
18.5262

■ 49.7783, 60.0679,
50.5986

■ 27.4951, 49.3632,
14.1946

■ 57.2620, 63.6647,
62.7531

■ 25.6472, 48.4766,
11.1233

■ 65.8722, 67.8032,
76.7188

■ 24.4931, 47.9235,
9.1775

■ 75.6526, 72.5045,
92.5657

■ 23.9212, 47.6500,
8.1899

■ 83.0853, 76.0707,
104.9118

■ 23.8101, 47.5966,
8.0097

Harmonies

Analogous

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



44.8384, 54.4061, 21.4709



37.9989, 54.4061, 31.4203



34.9240, 54.4061, 51.9222

Triad

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



37.9989, 54.4061, 31.4203



49.0891, 54.4061, 132.1384



71.6446, 54.4061, 40.9139

Complementary

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



37.9989, 54.4061, 31.4203



47.8510, 35.9508, 66.7064

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.



73.1652, 54.4061, 67.2128



37.9989, 54.4061, 31.4203



59.2531, 54.4061, 126.2867

Square

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



37.9989, 54.4061, 31.4203



40.7665, 54.4061, 114.0489



68.3799, 54.4061, 99.9605



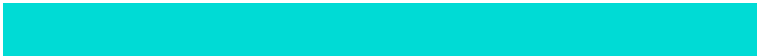
64.4584, 54.4061, 25.5939

Rectangle

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



37.9989, 54.4061, 31.4203



35.1051, 54.4061, 71.4491



68.3799, 54.4061, 99.9605



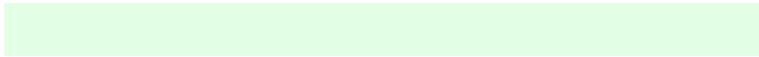
72.8695, 54.4061, 48.5058

Sweetspot

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



38.0003, 54.4084, 31.4215



81.3301, 93.4057, 86.6369



55.5403, 63.4587, 31.8760



17.0769, 19.8335, 18.0062



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.



38.0003, 54.4084, 31.4215



51.4777, 79.0613, 38.0223



41.2185, 55.6957, 48.3685



12.2688, 13.8985, 13.2297



14.5465, 29.0739, 4.9073



0.8797, 1.7545, 0.3081

Inverse Universe

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



47.8510, 35.9508, 66.7064



68.4713, 47.2160, 98.8894



43.5586, 34.2338, 44.1026



12.9459, 12.6299, 15.6555



23.8937, 11.4938, 38.3401



1.4434, 0.6941, 2.3243

Previews

White Background



This preview shows how the XYZ color 37.9989, 54.4061, 31.4203 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 37.9989, 54.4061, 31.4203 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 37.9989, 54.4061, 31.4203

Background



This preview shows how black text looks on a background with the XYZ color 37.9989, 54.4061, 31.4203.



This preview shows how white text looks on a background with the XYZ color 37.9989, 54.4061,

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

37.9989, 54.4061, 31.4203

Protanopia

49.7009, 53.8175, 27.8470

Deuteranopia

54.9998, 53.8639, 32.6973



Tritanopia

46.7198, 54.3104, 75.0384

Trichromacy



Original Color

37.9989, 54.4061, 31.4203



Protanomaly

44.2073, 53.3301, 29.0829



Deuteranomaly

46.9058, 52.9460, 32.1735



Tritanomaly

42.8915, 54.1858, 55.7752

Monochromacy



Original Color

37.9989, 54.4061, 31.4203



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.6547, 48.1661, 42.2762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9989, 54.4061, 31.4203 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(134, 213, 135)` looks like.

```
.text, #text, p{  
    color:rgb(134, 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(134, 213, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 213, 135) }
```

Border

The CSS property to change the border of an element to XYZ 37.9989, 54.4061, 31.4203 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(134, 213, 135) }
```


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

```
.border{ border-color:rgb(134, 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(134, 213, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 213, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 213, 135);  
box-shadow:4px 4px 4px 4px rgb(134, 213,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9989, 54.4061, 31.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 213, 135) }
```

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

```
.background{ background-color: rgb(134,  
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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