

Converting Colors

XYZ(37.6567, 57.8813, 29.7017)

Have a look what the booklet for
XYZ(37.6567, 57.8813, 29.7017)
contains.

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Color

**XYZ(37.4888, 57.6526,
29.5743)**

Conversions

Conversions Part 1

Format	Color
Hex	76DE80
RGB	118, 222, 128
RGB Percent	46%, 87%, 50%
CMY	0.5372, 0.1294, 0.4980
CMYK	0.47, 0.00, 0.42, 0.13
HSL	126°, 61%, 67%
HSV	126°, 47%, 87%
XYZ	37.4888, 57.6526, 29.5743
YIQ	180.1880, -31.8100, -51.2820

Conversions

Conversions Part 2

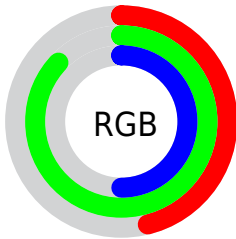
Format	Color
RYB	118, 213, 222
Decimal	7790208
CIELab	80.55, -49.46, 36.93
CIElCh	81, 61.729, 143.250
Yxy	57.6526, 0.3006, 0.4623
Android (android.graphics.Color)	4285980288 (0xFF76DE80)
YUV	180.1880, -25.7287, -54.5389
Hunter-Lab	75.9293, -44.7450, 30.0572

Details

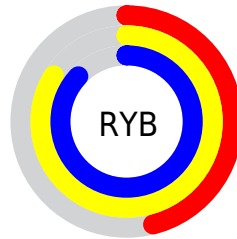
The XYZ color **37.4888, 57.6526, 29.5743** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **48.4881, 33.2411, 66.1498**, and the grayscale version is **43.6308, 45.9030, 49.9884**.

A 20% lighter version of the original color is **61.8827, 84.0114, 57.2102**, and **16.7794, 28.7381, 11.6838** is the 20% darker color. If you saturate the color by 10%, you get **33.6288, 55.8022, 23.1683**, and if you desaturate by 10%, it is **42.3223, 59.9781, 37.3916**.

Distribution



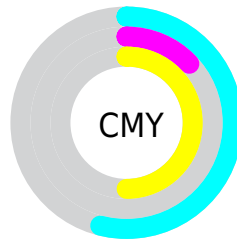
- Red (46%)
- Green (87%)
- Blue (50%)



- Red (46%)
- Yellow (84%)
- Blue (87%)



- Cyan (47%)
- Magenta (0%)
- Yellow (42%)
- Black (13%)



- Cyan (54%)
- Magenta (13%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4888, 57.6526, 29.5743 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 37.4888, 57.6526, 29.5743 by changing the saturation by 10% instead.

■ 37.4888, 57.6526,
29.5743

■ 37.4888, 57.6526,
29.5743

326.7408,
415.8902, 314.0604

■ 25.7616, 41.5294,
19.2664

■ 70.6329, 101.4168,
60.0413

■ 16.7771, 28.7330,
11.6842

■ 92.7805, 129.8266,
81.0375

■ 10.1700, 18.8789,
6.4091

■ 119.1322,
163.1007, 106.4336

■ 5.5750, 11.5828,
3.0226

150.0535,
201.6236, 136.6480

■ 2.6266, 6.4603,
1.1062

185.9096,
245.7796, 172.0994

■ 0.9595, 3.1269,
0.0000

227.0660,

■ 0.0000, 1.1984,

295.9531, 213.2062

0.0000

273.8879,
352.5285, 260.3870

■ 0.0000, 0.0604,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4888, 57.6526,
29.5743

■ 37.4888, 57.6526,
29.5743

■ 33.6288, 55.8022,
23.1683

■ 42.3223, 59.9781,
37.3916

■ 30.6719, 54.3873,
18.0859


■ 48.1849, 62.8005,
46.6933


■ 28.5454, 53.3740,
14.2356


■ 55.1328, 66.1492,
57.5519


■ 27.1629, 52.7202,
11.5127


■ 63.2173, 70.0489,
70.0344

 26.4157, 52.3722,
9.7949

 72.4861, 74.5232,
84.2035

 26.2610, 52.3002,
9.4374

 82.9843, 79.5938,
100.1187

 85.4124, 80.7248,
105.6875

Harmonies

Analogous

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



45.7240, 57.6526, 17.9880



37.4888, 57.6526, 29.5743



33.9731, 57.6526, 54.9178

Triad

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



37.4888, 57.6526, 29.5743



51.9805, 57.6526, 160.8020



80.3940, 57.6526, 39.0451

Complementary

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



37.4888, 57.6526, 29.5743



48.4881, 33.2411, 66.1498

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.



82.7553, 57.6526, 71.3456



37.4888, 57.6526, 29.5743



64.9974, 57.6526, 151.2851

Square

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



37.4888, 57.6526, 29.5743



41.4635, 57.6526, 137.0041



76.7498, 57.6526, 114.5163



70.7205, 57.6526, 21.7970

Rectangle

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



37.4888, 57.6526, 29.5743



34.3234, 57.6526, 80.1792



76.7498, 57.6526, 114.5163



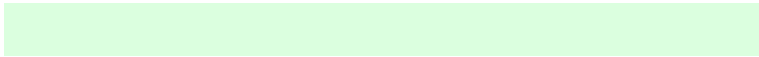
82.1250, 57.6526, 48.0895

Sweetspot

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



37.4902, 57.6550, 29.5756



78.3471, 91.9400, 83.2403



56.9310, 67.7494, 27.2163



16.2791, 19.4425, 17.0568



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.



37.4902, 57.6550, 29.5756



46.2291, 76.4825, 32.0418



41.6971, 59.3377, 51.7285



13.5821, 15.3586, 14.8344



15.6161, 31.0713, 5.7013



1.1010, 2.1611, 0.4929

Inverse Universe

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



48.4881, 33.2411, 66.1498



62.9735, 39.2594, 87.6877



43.0668, 31.0725, 37.6015



14.2352, 13.9117, 17.0088



24.1538, 11.7285, 33.8053



1.6910, 0.8197, 2.4314

Previews

White Background



This preview shows how the XYZ color 37.4888, 57.6526, 29.5743 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 37.4888, 57.6526, 29.5743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

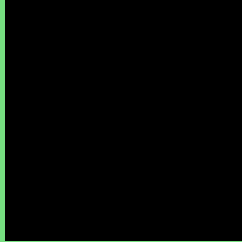
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4888, 57.6526, 29.5743

Background



This preview shows how black text looks on a background with the XYZ color 37.4888, 57.6526, 29.5743.



This preview shows how white text looks on a background with the XYZ color 37.4888, 57.6526,

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

37.4888, 57.6526, 29.5743

Protanopia

52.3685, 56.9305, 25.6813

Deuteranopia

57.7117, 56.5807, 30.8011



Tritanopia

47.7269, 57.2147, 81.2011

Trichromacy



Original Color

37.4888, 57.6526, 29.5743



Protanomaly

44.8817, 55.8545, 26.8278



Deuteranomaly

47.5335, 55.3763, 30.0132



Tritanomaly

42.9663, 56.7603, 57.9815

Monochromacy



Original Color

37.4888, 57.6526, 29.5743



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

39.8528, 48.7715, 41.0316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4888, 57.6526, 29.5743 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(118, 222, 128)` looks like.

```
.text, #text, p{  
    color:rgb(118, 222, 128)  
}
```

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(118, 222, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 222, 128) }
```

Border

The CSS property to change the border of an element to XYZ 37.4888, 57.6526, 29.5743 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(118, 222, 128) }
```


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

```
.border{ border-color:rgb(118, 222, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 222, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 222, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 222, 128); box-shadow:4px 4px 4px 4px rgb(118, 222, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4888, 57.6526, 29.5743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 222, 128) }
```

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

```
.background{ background-color: rgb(118,  
222, 128) }
```

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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