

Converting Colors

XYZ(36.2965, 56.8803, 29.9995)

Have a look what the booklet for
XYZ(36.2965, 56.8803, 29.9995)
contains.

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Color

**XYZ(36.3904, 57.0787,
29.8682)**

Conversions

Conversions Part 1

Format	Color
Hex	6DDE81
RGB	109, 222, 129
RGB Percent	43%, 87%, 51%
CMY	0.5725, 0.1294, 0.4941
CMYK	0.51, 0.00, 0.42, 0.13
HSL	131°, 63%, 65%
HSV	131°, 51%, 87%
XYZ	36.3904, 57.0787, 29.8682
YIQ	177.6110, -37.4950, -52.8790

Conversions

Conversions Part 2

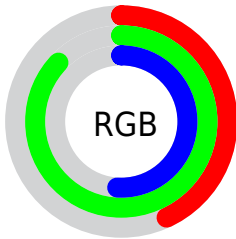
Format	Color
RYB	109, 205, 222
Decimal	7200385
CIELab	80.22, -51.69, 35.95
CIELCh	80, 62.965, 145.181
Yxy	57.0787, 0.2950, 0.4628
Android (android.graphics.Color)	4285390465 (0xFF6DDE81)
YUV	177.6110, -23.9652, -60.1718
Hunter-Lab	75.5504, -46.2351, 29.4455

Details

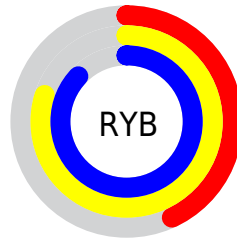
The XYZ color **36.3904, 57.0787, 29.8682** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **46.2553, 30.7322, 59.3730**, and the grayscale version is **42.2493, 44.4496, 48.4056**.

A 20% lighter version of the original color is **60.2436, 83.1544, 57.6750**, and **16.1381, 28.4033, 11.8396** is the 20% darker color. If you saturate the color by 10%, you get **32.8888, 55.4032, 23.9220**, and if you desaturate by 10%, it is **40.8017, 59.2013, 36.9930**.

Distribution



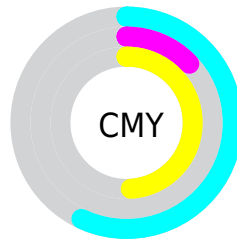
- Red (43%)
- Green (87%)
- Blue (51%)



- Red (43%)
- Yellow (80%)
- Blue (87%)



- Cyan (51%)
- Magenta (0%)
- Yellow (42%)
- Black (13%)





- Cyan (57%)
- Magenta (13%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3904, 57.0787, 29.8682 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 36.3904, 57.0787, 29.8682 by changing the saturation by 10% instead.


 36.3904, 57.0787,
29.8682


 36.3904, 57.0787,
29.8682


322.0653,
413.7441, 315.4778


 24.9074, 41.0684,
19.4874


 68.9542, 100.5800,
60.5122

 16.1364, 28.3726,
11.8426


 90.7656, 128.8398,
81.6125

 9.7122, 18.6067,
6.5154


 116.7505,
161.9517, 107.1230

 5.2694, 11.3864,
3.0871

147.2743,
200.2998, 137.4623

 2.4425, 6.3274,
1.1393

182.7023,
244.2688, 173.0488

 0.8664, 3.0452,
0.0000

223.3999,

 0.0000, 1.1554,

294.2429, 214.3012

0.0000

269.7325,
350.6065, 261.6380

■ 0.0000, 0.0248,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3904, 57.0787,
29.8682

■ 36.3904, 57.0787,
29.8682

■ 32.8888, 55.4032,
23.9220

■ 40.8017, 59.2013,
36.9930

■ 30.2280, 54.1357,
19.0872


■ 46.1765, 61.7927,
45.3512


■ 28.3361, 53.2424,
15.2955


■ 52.5696, 64.8815,
54.9988

■ 27.1268, 52.6803,
12.4695

■ 60.0301, 68.4921,
65.9873

 26.4935, 52.3932,
10.6616

 68.6043, 72.6472,
78.3652

 78.3355, 77.3681,
92.1788

 85.4124, 80.7247,
105.6875

Harmonies

Analogous

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



44.4034, 57.0787, 17.5880



36.3904, 57.0787, 29.8682



33.1676, 57.0787, 56.3917

Triad

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



36.3904, 57.0787, 29.8682



52.2022, 57.0787, 162.6887



79.8241, 57.0787, 36.6416

Complementary

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



36.3904, 57.0787, 29.8682



46.2553, 30.7322, 59.3730

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.



82.7845, 57.0787, 68.2854



36.3904, 57.0787, 29.8682



65.4579, 57.0787, 150.6985

Square

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



36.3904, 57.0787, 29.8682



41.3312, 57.0787, 140.2215



77.1688, 57.0787, 111.9414



69.6178, 57.0787, 20.2769

Rectangle

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



36.3904, 57.0787, 29.8682



33.7289, 57.0787, 82.5817



77.1688, 57.0787, 111.9414



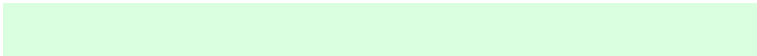
81.7617, 57.0787, 45.3995

Sweetspot

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



36.3918, 57.0811, 29.8695



77.6905, 91.5892, 83.7640



53.5578, 66.0693, 24.3983



16.1666, 19.3801, 17.2474



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.



36.3918, 57.0811, 29.8695



44.7845, 75.7299, 32.3294



41.1163, 58.9708, 54.7480



13.6273, 15.3767, 15.0727



15.7647, 31.1307, 6.4841



1.1224, 2.1697, 0.6059

Inverse Universe

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



46.2553, 30.7322, 59.3730



59.6744, 35.8411, 76.7851



40.8348, 28.5640, 30.8290



14.1855, 13.8918, 16.7468



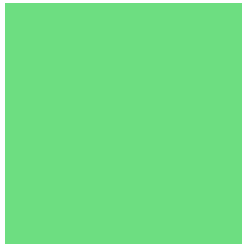
22.9892, 11.2627, 27.6725



1.6211, 0.7917, 2.0637

Previews

White Background



This preview shows how the XYZ color 36.3904, 57.0787, 29.8682 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 36.3904, 57.0787, 29.8682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

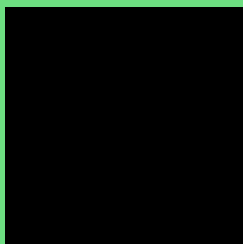
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3904, 57.0787, 29.8682

Background



This preview shows how black text looks on a background with the XYZ color 36.3904, 57.0787, 29.8682.



This preview shows how white text looks on a background with the XYZ color 36.3904, 57.0787,

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

36.3904, 57.0787, 29.8682

Protanopia

51.9032, 56.3432, 25.9090

Deuteranopia

57.3050, 56.0342, 31.4623



Tritanopia

46.4274, 56.5448, 81.1403

Trichromacy



Original Color

36.3904, 57.0787, 29.8682



Protanomaly

44.0194, 55.4028, 27.1126



Deuteranomaly

46.4249, 54.4417, 30.6157



Tritanomaly

41.7627, 56.1398, 57.9252

Monochromacy



Original Color

36.3904, 57.0787, 29.8682



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.7738, 47.8939, 40.4586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3904, 57.0787, 29.8682 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(109, 222, 129)` looks like.

```
.text, #text, p{  
    color:rgb(109, 222, 129)  
}
```

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(109, 222, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 222, 129) }
```

Border

The CSS property to change the border of an element to XYZ 36.3904, 57.0787, 29.8682 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(109, 222, 129) }
```


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

```
.border{ border-color:rgb(109, 222, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 222, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 222, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 222, 129); box-shadow:4px 4px 4px 4px rgb(109, 222, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3904, 57.0787, 29.8682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 222, 129) }
```

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

```
.background{ background-color: rgb(109,  
222, 129) }
```

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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