

Converting Colors

XYZ(37.8225, 56.1313, 28.8676)

Have a look what the booklet for
XYZ(37.8225, 56.1313, 28.8676)
contains.

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Color

**XYZ(37.9554, 56.3422,
28.9534)**

Conversions

Conversions Part 1

Format	Color
Hex	81DA7F
RGB	129, 218, 127
RGB Percent	51%, 85%, 50%
CMY	0.4941, 0.1451, 0.5020
CMYK	0.41, 0.00, 0.42, 0.15
HSL	119°, 55%, 68%
HSV	119°, 42%, 85%
XYZ	37.9554, 56.3422, 28.9534
YIQ	181.0150, -23.8330, -47.1690

Conversions

Conversions Part 2

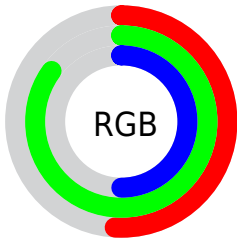
Format	Color
RYB	127, 218, 216
Decimal	8510079
CIELab	79.81, -44.77, 36.58
CIELCh	80, 57.810, 140.751
Yxy	56.3422, 0.3080, 0.4571
Android (android.graphics.Color)	4286700159 (0xFF81DA7F)
YUV	181.0150, -26.6294, -45.6172
Hunter-Lab	75.0614, -41.0976, 29.6731

Details

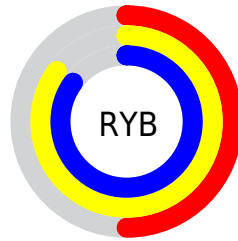
The XYZ color **37.9554, 56.3422, 28.9534** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **48.5659, 34.8415, 70.4980**, and the grayscale version is **44.0790, 46.3745, 50.5018**.

A 20% lighter version of the original color is **64.1081, 85.1705, 56.7768**, and **16.9725, 27.7789, 11.3048** is the 20% darker color. If you saturate the color by 10%, you get **33.7781, 54.3372, 22.1270**, and if you desaturate by 10%, it is **43.1187, 58.8233, 37.4329**.

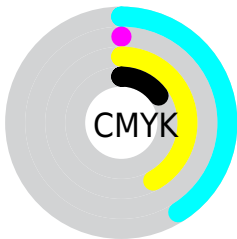
Distribution



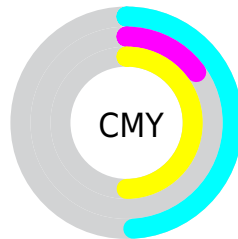
- Red (51%)
- Green (85%)
- Blue (50%)



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



- Cyan (41%)
- Magenta (0%)
- Yellow (42%)
- Black (15%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9554, 56.3422, 28.9534 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 37.9554, 56.3422, 28.9534 by changing the saturation by 10% instead.


 37.9554, 56.3422,
28.9534


 37.9554, 56.3422,
28.9534


328.7128,
410.9798, 311.0491


 26.1251, 40.4774,
18.8003


 71.3441, 99.5047,
59.0443

 17.0504, 27.9109,
11.3507


 93.6333, 127.5712,
79.8193

 10.3660, 18.2585,
6.1861


 120.1394,
160.4737, 104.9719

 5.7064, 11.1358,
2.8880

151.2280,
198.5965, 134.9207

 2.7063, 6.1582,
1.0377

187.2642,
242.3242, 170.0843

 1.0004, 2.9415,
0.0000

228.6135,

 0.0000, 1.1013,

292.0410, 210.8812

0.0000

275.6412,
348.1315, 257.7299

■ 0.0000, 0.0000,
0.0000

■ 37.9554, 56.3422,
28.9534

■ 37.9554, 56.3422,
28.9534

■ 33.7781, 54.3372,
22.1270

■ 43.1187, 58.8233,
37.4329

■ 30.5201, 52.7712,
16.8425

■ 49.3207, 61.8006,
47.6595

■ 28.1134, 51.6135,
12.9810


■ 56.6154, 65.3017,
59.7247


■ 26.4786, 50.8260,
10.4046

■ 65.0519, 69.3500,
73.7126

■ 25.5213, 50.3637,
8.9484

■ 74.6761, 73.9675,
89.7019

 25.1324, 50.1759,
8.3603

 84.3625, 78.6250,
105.3375

Harmonies

Analogous

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



45.9721, 56.3422, 18.6778



37.9554, 56.3422, 28.9534



34.2801, 56.3422, 51.5662

Triad

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



37.9554, 56.3422, 28.9534



50.0176, 56.3422, 149.4049



77.4554, 56.3422, 41.2396

Complementary

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



37.9554, 56.3422, 28.9534



48.5659, 34.8415, 70.4980

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.



78.9569, 56.3422, 72.2926



37.9554, 56.3422, 28.9534



61.9214, 56.3422, 143.4388

Square

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



37.9554, 56.3422, 28.9534



40.5456, 56.3422, 125.9639



72.9237, 56.3422, 111.7871



69.0780, 56.3422, 23.7656

Rectangle

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



37.9554, 56.3422, 28.9534



34.3561, 56.3422, 74.1631



72.9237, 56.3422, 111.7871



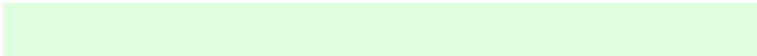
78.8244, 56.3422, 50.0998

Sweetspot

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



37.9568, 56.3446, 28.9547



79.2262, 92.4069, 82.6625



57.0387, 65.0245, 29.6243



16.4427, 19.5317, 16.8409



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.



37.9568, 56.3446, 28.9547



48.8753, 77.8349, 32.6976



41.0310, 57.5395, 46.7116



12.9128, 14.6198, 13.8669



15.0680, 30.0653, 5.0090



0.9857, 1.9527, 0.3250

Inverse Universe

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



48.5659, 34.8415, 70.4980



65.9217, 43.2612, 99.4835



44.2951, 33.2018, 44.9084



13.5846, 13.2595, 16.4955



24.0713, 11.5334, 40.6959



1.5686, 0.7519, 2.6369

Previews

White Background



This preview shows how the XYZ color 37.9554, 56.3422, 28.9534 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 37.9554, 56.3422, 28.9534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

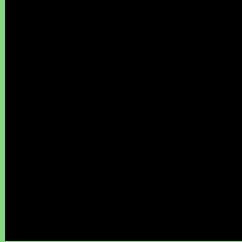
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9554, 56.3422, 28.9534

Background



This preview shows how black text looks on a background with the XYZ color 37.9554, 56.3422, 28.9534.



This preview shows how white text looks on a background with the XYZ color 37.9554, 56.3422,

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

37.9554, 56.3422, 28.9534

Protanopia

51.3204, 55.7115, 25.5013

Deuteranopia

56.5472, 55.3498, 30.2575



Tritanopia

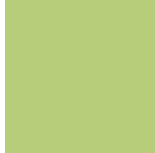
47.8448, 56.2493, 78.1475

Trichromacy



Original Color

37.9554, 56.3422, 28.9534



Protanomaly

45.1113, 55.2581, 26.7006



Deuteranomaly

47.2851, 54.2213, 29.4463



Tritanomaly

43.3559, 55.8821, 56.0782

Monochromacy



Original Color

37.9554, 56.3422, 28.9534



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.6251, 48.8382, 41.0038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9554, 56.3422, 28.9534 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(129, 218, 127)` looks like.

```
.text, #text, p{  
    color:rgb(129, 218, 127)  
}
```

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(129, 218, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 218, 127) }
```

Border

The CSS property to change the border of an element to XYZ 37.9554, 56.3422, 28.9534 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(129, 218, 127) }
```


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

```
.border{ border-color:rgb(129, 218, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 218, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 218, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 218, 127);  
box-shadow:4px 4px 4px 4px rgb(129, 218,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9554, 56.3422, 28.9534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 218, 127) }
```

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

```
.background{ background-color: rgb(129,  
218, 127) }
```

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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