

Converting Colors

Yxy(56.7108, 0.3039, 0.4568)

Have a look what the booklet for
Yxy(56.7108, 0.3039, 0.4568)
contains.

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Color

Yxy(56.5331, 0.3037, 0.4565)

Conversions

Conversions Part 1

Format	Color
Hex	7CDB81
RGB	124, 219, 129
RGB Percent	49%, 86%, 51%
CMY	0.5136, 0.1412, 0.4941
CMYK	0.43, 0.00, 0.41, 0.14
HSL	123°, 57%, 67%
HSV	123°, 43%, 86%
XYZ	37.6103, 56.5331, 29.6969
YIQ	180.3350, -27.7300, -48.1300

Conversions

Conversions Part 2

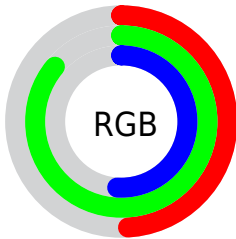
Format	Color
RYB	124, 214, 219
Decimal	8182657
CIELab	79.92, -46.35, 35.67
CIElCh	80, 58.490, 142.420
Yxy	56.5331, 0.3037, 0.4565
Android (android.graphics.Color)	4286372737 (0xFF7CDB81)
YUV	180.3350, -25.3082, -49.4058
Hunter-Lab	75.1885, -42.2918, 29.2144

Details

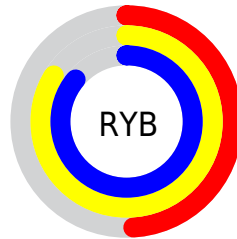
The Yxy color **56.5331, 0.3037, 0.4565** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **34.3430, 0.3224, 0.2280**, and the grayscale version is **45.9871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7627, 0.3077, 0.4116**, and **27.9377, 0.2974, 0.4950** is the 20% darker color. If you saturate the color by 10%, you get **54.5833, 0.3018, 0.4911**, and if you desaturate by 10%, it is **58.9621, 0.3058, 0.4227**.

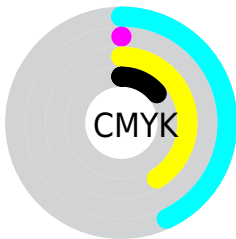
Distribution



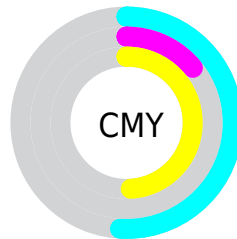
- Red (49%)
- Green (86%)
- Blue (51%)



- Red (49%)
- Yellow (84%)
- Blue (86%)



- Cyan (43%)
- Magenta (0%)
- Yellow (41%)
- Black (14%)





- Cyan (51%)
- Magenta (14%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5331, 0.3037, 0.4565 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 Yxy color 56.5331, 0.3037, 0.4565 by changing the saturation by 10% instead.


 56.5331, 0.3037,
0.4565

 56.5331, 0.3037,
0.4565


411.6975, 0.3106,
0.3908

 40.6305, 0.3012,
0.4733


 99.7836, 0.3068,
0.4323

 28.0305, 0.2975,
0.4950


 127.9003, 0.3078,
0.4233

 18.3486, 0.2918,
0.5239


 160.8571, 0.3085,
0.4157

 11.2006, 0.2824,
0.5640

199.0385, 0.3091,
0.4092

 6.2019, 0.2655,
0.6221

242.8289, 0.3096,
0.4036

 2.9682, 0.2463,
0.7537

292.6125, 0.3100,

 1.1152, 0.0000,

0.3988

1.0000

348.7739, 0.3103,
0.3945

■ 0.0000, 0.0000,
0.0000

■ 56.5331, 0.3037,
0.4565

■ 56.5331, 0.3037,
0.4565

■ 54.5833, 0.3018,
0.4911

■ 58.9621, 0.3058,
0.4227

■ 53.0744, 0.3003,
0.5243

■ 61.8915, 0.3080,
0.3910

■ 51.9741, 0.2993,
0.5535


■ 65.3497, 0.3101,
0.3623


■ 51.2424, 0.2989,
0.5765

■ 69.3609, 0.3121,
0.3368

■ 50.8312, 0.2991,
0.5916

■ 73.9480, 0.3139,
0.3146

 50.6875, 0.2993,
0.5973

 79.0486, 0.3153,
0.2954

 79.1423, 0.3144,
0.2940

Harmonies

Analogous

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



56.5331, 0.3766, 0.4680



56.5331, 0.3037, 0.4565



56.5331, 0.2371, 0.3925

Triad

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



56.5331, 0.3037, 0.4565



56.5331, 0.1961, 0.2183



56.5331, 0.4463, 0.3248

Complementary

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



56.5331, 0.3037, 0.4565



34.3430, 0.3224, 0.2280

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.



56.5331, 0.3852, 0.2734



56.5331, 0.3037, 0.4565



56.5331, 0.2390, 0.2147

Square

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



56.5331, 0.3037, 0.4565



56.5331, 0.1808, 0.2494



56.5331, 0.3066, 0.2345



56.5331, 0.4643, 0.3811

Rectangle

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



56.5331, 0.3037, 0.4565



56.5331, 0.2052, 0.3373



56.5331, 0.3066, 0.2345



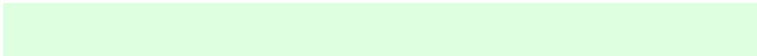
56.5331, 0.4298, 0.3067

Sweetspot

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



56.5355, 0.3037, 0.4565



92.3850, 0.3101, 0.3616



66.4525, 0.3732, 0.4368



19.5264, 0.3097, 0.3677



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.5355, 0.3037, 0.4565



77.2803, 0.3020, 0.4879



58.0958, 0.2770, 0.3877



14.6172, 0.3109, 0.3519



30.0606, 0.2990, 0.5965



1.9514, 0.2961, 0.5858

Inverse Universe

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



34.3430, 0.3224, 0.2280



42.0598, 0.3247, 0.2094



32.2673, 0.3738, 0.2781



13.2625, 0.3146, 0.3071



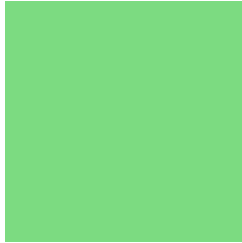
11.6229, 0.3344, 0.1616



0.7567, 0.3320, 0.1602

Previews

White Background



This preview shows how the Yxy color 56.5331, 0.3037, 0.4565 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 Yxy color 56.5331, 0.3037, 0.4565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

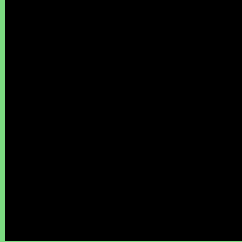
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.5331, 0.3037, 0.4565

Background



This preview shows how black text looks on a background with the Yxy color 56.5331, 0.3037, 0.4565.

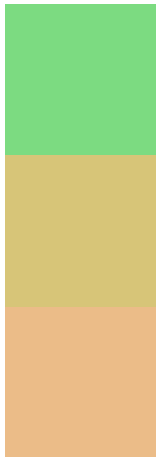


This preview shows how white text looks on a background with the Yxy color 56.5331, 0.3037, 0.4565.

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

56.5331, 0.3037, 0.4565

Protanopia

55.7356, 0.3865, 0.4193

Deuteranopia

55.4062, 0.3962, 0.3872



Tritanopia

56.4229, 0.2599, 0.3086

Trichromacy



Original Color

56.5331, 0.3037, 0.4565



Protanomaly

55.0378, 0.3527, 0.4343



Deuteranomaly

54.1424, 0.3588, 0.4119



Tritanomaly

56.0795, 0.2762, 0.3599

Monochromacy



Original Color

56.5331, 0.3037, 0.4565



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

48.6304, 0.3098, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5331, 0.3037, 0.4565 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(124, 219, 129)` looks like.

```
.text, #text, p{  
    color:rgb(124, 219, 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(124, 219, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 219, 129) }
```

Border

The CSS property to change the border of an element to Yxy 56.5331, 0.3037, 0.4565 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(124, 219, 129) }
```

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

```
.border{ border-color:rgb(124, 219, 129) }
```

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

Here you see how a box with a 4 pixel rgb(124, 219, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 219, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 219, 129);  
box-shadow:4px 4px 4px 4px rgb(124, 219,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5331, 0.3037, 0.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 219, 129) }
```

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

```
.background{ background-color: rgb(124,  
219, 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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