

Converting Colors

Yxy(56.6657, 0.2934, 0.4659)

Have a look what the booklet for
Yxy(56.6657, 0.2934, 0.4659)
contains.

Yxy(56.7179, 0.2934, 0.4667)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.7179, 0.2934, 0.4667)

Conversions

Conversions Part 1

Format	Color
Hex	68DE7F
RGB	104, 222, 127
RGB Percent	41%, 87%, 50%
CMY	0.5924, 0.1294, 0.5019
CMYK	0.53, 0.00, 0.43, 0.13
HSL	132°, 64%, 64%
HSV	132°, 53%, 87%
XYZ	35.6568, 56.7179, 29.1550
YIQ	175.8880, -39.8330, -54.5610

Conversions

Conversions Part 2

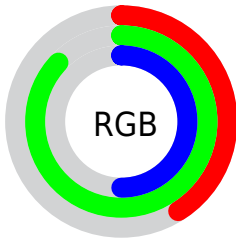
Format	Color
RYB	104, 203, 222
Decimal	6872703
CIELab	80.02, -53.27, 36.64
CIElCh	80, 64.659, 145.477
Yxy	56.7179, 0.2934, 0.4667
Android (android.graphics.Color)	4285062783 (0xFF68DE7F)
YUV	175.8880, -24.1018, -63.0458
Hunter-Lab	75.3113, -47.2823, 29.7652

Details

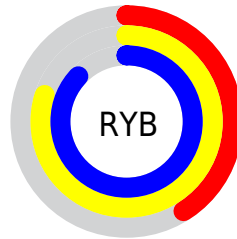
The Yxy color **56.7179, 0.2934, 0.4667** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.5395, 0.3432, 0.2234**, and the grayscale version is **43.4924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6427, 0.2984, 0.4166**, and **28.2063, 0.2841, 0.5092** is the 20% darker color. If you saturate the color by 10%, you get **55.1377, 0.2916, 0.4970**, and if you desaturate by 10%, it is **58.7349, 0.2961, 0.4365**.

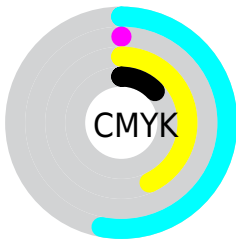
Distribution



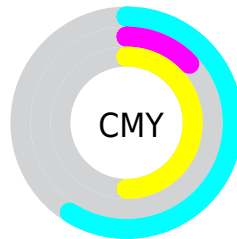
- Red (41%)
- Green (87%)
- Blue (50%)



- Red (41%)
- Yellow (80%)
- Blue (87%)



- Cyan (53%)
- Magenta (0%)
- Yellow (43%)
- Black (13%)




- Cyan (59%)
- Magenta (13%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7179, 0.2934, 0.4667 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 56.7179, 0.2934, 0.4667 by changing the saturation by 10% instead.


 56.7179, 0.2934,
0.4667

 56.7179, 0.2934,
0.4667

412.3914, 0.3057,
0.3953

 40.7788, 0.2895,
0.4851


 100.0535, 0.2985,
0.4403

 28.1463, 0.2840,
0.5088

 128.2187, 0.3002,
0.4305

 18.4360, 0.2759,
0.5406


 161.2281, 0.3016,
0.4223

 11.2634, 0.2631,
0.5847

199.4660, 0.3027,
0.4152

 6.2443, 0.2413,
0.6487

243.3170, 0.3036,
0.4092

 2.9942, 0.2121,
0.7879

293.1652, 0.3044,

 1.1287, 0.0000,

0.4040

1.0000

349.3952, 0.3051,
0.3993

■ 0.0023, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7179, 0.2934,
0.4667

■ 56.7179, 0.2934,
0.4667

■ 55.1377, 0.2916,
0.4970

■ 58.7349, 0.2961,
0.4365

■ 53.9548, 0.2910,
0.5258

■ 61.2109, 0.2996,
0.4076

■ 53.1344, 0.2916,
0.5512


■ 64.1745, 0.3034,
0.3809


■ 52.6320, 0.2935,
0.5716

■ 67.6503, 0.3074,
0.3567

 52.4253, 0.2951,
0.5823

 71.6612, 0.3114,
0.3353

 76.2286, 0.3154,
0.3164

 80.5390, 0.3161,
0.2998

 80.7279, 0.3142,
0.2970

Harmonies

Analogous

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



56.7179, 0.3732, 0.4838



56.7179, 0.2934, 0.4667



56.7179, 0.2231, 0.3901

Triad

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



56.7179, 0.2934, 0.4667



56.7179, 0.1894, 0.2068



56.7179, 0.4646, 0.3290

Complementary

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



56.7179, 0.2934, 0.4667



29.5395, 0.3432, 0.2234

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.



56.7179, 0.4009, 0.2732



56.7179, 0.2934, 0.4667



56.7179, 0.2382, 0.2062

Square

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



56.7179, 0.2934, 0.4667



56.7179, 0.1700, 0.2362



56.7179, 0.3142, 0.2299



56.7179, 0.4778, 0.3898

Rectangle

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



56.7179, 0.2934, 0.4667



56.7179, 0.1911, 0.3280



56.7179, 0.3142, 0.2299



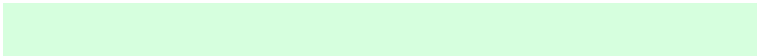
56.7179, 0.4481, 0.3096

Sweetspot

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



56.7202, 0.2934, 0.4667



91.1297, 0.3062, 0.3636



65.5756, 0.3724, 0.4648



19.2910, 0.3054, 0.3685



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.



56.7202, 0.2934, 0.4667



75.2330, 0.2914, 0.5009



58.6741, 0.2631, 0.3808



15.3808, 0.3089, 0.3484



31.1489, 0.2945, 0.5802



2.1717, 0.2868, 0.5525

Inverse Universe

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



29.5395, 0.3432, 0.2234



34.2122, 0.3517, 0.2061



27.3524, 0.4167, 0.2856



13.8873, 0.3168, 0.3103



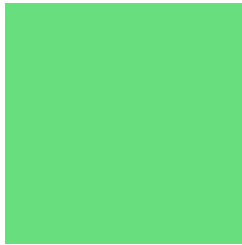
11.1637, 0.3773, 0.1852



0.7857, 0.3670, 0.1795

Previews

White Background



This preview shows how the Yxy color 56.7179, 0.2934, 0.4667 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 56.7179, 0.2934, 0.4667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

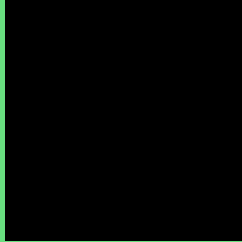
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7179, 0.2934, 0.4667

Background



This preview shows how black text looks on a background with the Yxy color 56.7179, 0.2934, 0.4667.



This preview shows how white text looks on a background with the Yxy color 56.7179, 0.2934, 0.4667.

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

56.7179, 0.2934, 0.4667

Protanopia

55.8394, 0.3888, 0.4211

Deuteranopia

55.3779, 0.3970, 0.3883



Tritanopia

56.2284, 0.2501, 0.3070

Trichromacy



Original Color

56.7179, 0.2934, 0.4667



Protanomaly

54.6370, 0.3478, 0.4399



Deuteranomaly

53.5393, 0.3523, 0.4162



Tritanomaly

55.7767, 0.2654, 0.3605

Monochromacy



Original Color

56.7179, 0.2934, 0.4667



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.0926, 0.3041, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7179, 0.2934, 0.4667 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(104, 222, 127)` looks like.

```
.text, #text, p{  
    color:rgb(104, 222, 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(104, 222, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 222, 127) }
```

Border

The CSS property to change the border of an element to Yxy 56.7179, 0.2934, 0.4667 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(104, 222, 127) }
```

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

```
.border{ border-color:rgb(104, 222, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 222, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 222, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 222, 127); box-shadow:4px 4px 4px 4px rgb(104, 222, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7179, 0.2934, 0.4667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 222, 127) }
```

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

```
.background{ background-color: rgb(104,  
222, 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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