

Converting Colors

Yxy(56.2473, 0.2989, 0.4264)

Have a look what the booklet for
Yxy(56.2473, 0.2989, 0.4264)
contains.

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Color

Yxy(56.1239, 0.2984, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	84D893
RGB	132, 216, 147
RGB Percent	52%, 85%, 58%
CMY	0.4823, 0.1529, 0.4234
CMYK	0.39, 0.00, 0.32, 0.15
HSL	131°, 52%, 68%
HSV	131°, 39%, 85%
XYZ	39.3408, 56.1239, 36.3744
YIQ	183.0180, -27.9150, -39.2670

Conversions

Conversions Part 2

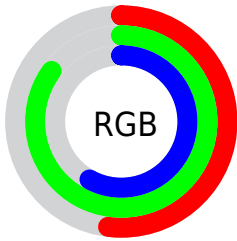
Format	Color
RYB	132, 203, 216
Decimal	8706195
CIELab	79.68, -39.81, 26.20
CIELCh	80, 47.655, 146.650
Yxy	56.1239, 0.2984, 0.4257
Android (android.graphics.Color)	4286896275 (0xFF84D893)
YUV	183.0180, -17.7569, -44.7428
Hunter-Lab	74.9159, -37.3666, 23.6537

Details

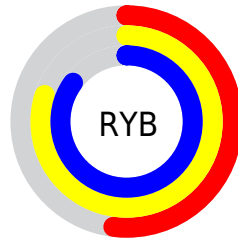
The Yxy color **56.1239, 0.2984, 0.4257** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.3206, 0.3317, 0.2487**, and the grayscale version is **47.4784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4284, 0.3022, 0.3895**, and **27.9120, 0.2921, 0.4551** is the 20% darker color. If you saturate the color by 10%, you get **54.0465, 0.2955, 0.4560**, and if you desaturate by 10%, it is **58.6524, 0.3018, 0.3971**.

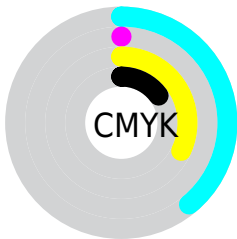
Distribution



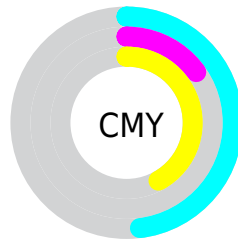
- Red (52%)
- Green (85%)
- Blue (58%)



- Red (52%)
- Yellow (80%)
- Blue (85%)



- Cyan (39%)
- Magenta (0%)
- Yellow (32%)
- Black (15%)





- Cyan (48%)
- Magenta (15%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.1239, 0.2984, 0.4257 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 56.1239, 0.2984, 0.4257 by changing the saturation by 10% instead.

 56.1239, 0.2984,
0.4257


 56.1239, 0.2984,
0.4257


410.1583, 0.3068,
0.3762

 40.3023, 0.2959,
0.4384


 99.1857, 0.3017,
0.4075

 27.7743, 0.2925,
0.4547


 127.1947, 0.3029,
0.4007

 18.1556, 0.2876,
0.4767


 160.0349, 0.3039,
0.3950

 11.0618, 0.2800,
0.5076

198.0907, 0.3047,
0.3901

 6.1084, 0.2672,
0.5536

241.7466, 0.3053,
0.3859

 2.9111, 0.2461,
0.6358

291.3869, 0.3059,

 1.0855, 0.0417,

0.3822

0.9583

347.3960, 0.3064,
0.3790

0.0000, 0.0000,
0.0000

56.1239, 0.2984,
0.4257

56.1239, 0.2984,
0.4257

54.0465, 0.2955,
0.4560

58.6524, 0.3018,
0.3971

52.3868, 0.2933,
0.4869

61.6490, 0.3056,
0.3710

51.1180, 0.2922,
0.5168


65.1386, 0.3094,
0.3475

50.2071, 0.2922,
0.5440

69.1421, 0.3131,
0.3268

49.6157, 0.2935,
0.5664

73.6792, 0.3168,
0.3087

 49.2853, 0.2955,
0.5831

 77.4933, 0.3155,
0.2925

 49.2564, 0.2957,
0.5846

 77.5924, 0.3145,
0.2910

Harmonies

Analogous

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



56.1239, 0.3593, 0.4435



56.1239, 0.2984, 0.4257



56.1239, 0.2444, 0.3714

Triad

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



56.1239, 0.2984, 0.4257



56.1239, 0.2186, 0.2347



56.1239, 0.4263, 0.3339

Complementary

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



56.1239, 0.2984, 0.4257



35.3206, 0.3317, 0.2487

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.



56.1239, 0.3807, 0.2887



56.1239, 0.2984, 0.4257



56.1239, 0.2587, 0.2339

Square

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



56.1239, 0.2984, 0.4257



56.1239, 0.2021, 0.2589



56.1239, 0.3174, 0.2533



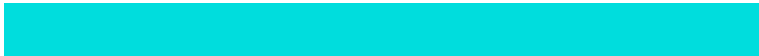
56.1239, 0.4366, 0.3818

Rectangle

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



56.1239, 0.2984, 0.4257



56.1239, 0.2191, 0.3278



56.1239, 0.3174, 0.2533



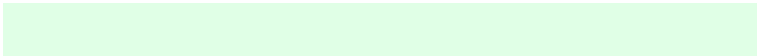
56.1239, 0.4144, 0.3182

Sweetspot

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



56.1262, 0.2984, 0.4257



93.1373, 0.3081, 0.3548



63.3356, 0.3594, 0.4289



19.7895, 0.3076, 0.3578



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.



56.1262, 0.2984, 0.4257



79.1034, 0.2958, 0.4516



57.6498, 0.2744, 0.3667



13.9319, 0.3092, 0.3487



29.1658, 0.2952, 0.5826



1.7703, 0.2868, 0.5523

Inverse Universe

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



35.3206, 0.3317, 0.2487



44.5456, 0.3371, 0.2321



33.6427, 0.3763, 0.2950



12.5928, 0.3165, 0.3101



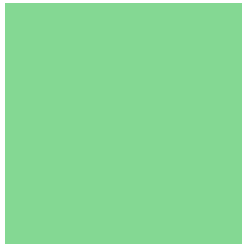
10.5434, 0.3717, 0.1821



0.6461, 0.3614, 0.1765

Previews

White Background



This preview shows how the Yxy color 56.1239, 0.2984, 0.4257 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 56.1239, 0.2984, 0.4257 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 56.1239, 0.2984, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 56.1239, 0.2984, 0.4257.

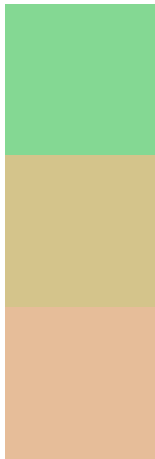


This preview shows how white text looks on a background with the Yxy color 56.1239, 0.2984, 0.4257.

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

56.1239, 0.2984, 0.4257

Protanopia

55.3410, 0.3701, 0.3973

Deuteranopia

55.5181, 0.3773, 0.3702



Tritanopia

55.7662, 0.2624, 0.3074

Trichromacy



Original Color

56.1239, 0.2984, 0.4257



Protanomaly

54.7321, 0.3409, 0.4077



Deuteranomaly

54.5505, 0.3445, 0.3894



Tritanomaly

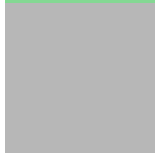
55.7841, 0.2755, 0.3488

Monochromacy



Original Color

56.1239, 0.2984, 0.4257



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

49.8250, 0.3064, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1239, 0.2984, 0.4257 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(132, 216, 147)` looks like.

```
.text, #text, p{  
    color:rgb(132, 216, 147)  
}
```

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(132, 216, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 216, 147) }
```

Border

The CSS property to change the border of an element to Yxy 56.1239, 0.2984, 0.4257 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(132, 216, 147) }
```

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

```
.border{ border-color:rgb(132, 216, 147) }
```

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

Here you see how a box with a 4 pixel rgb(132, 216, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 216, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 216, 147);  
box-shadow:4px 4px 4px 4px rgb(132, 216,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1239, 0.2984, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 216, 147) }
```

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

```
.background{ background-color: rgb(132,  
216, 147) }
```

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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