

Converting Colors

$Y_{xy}(64.0189, 0.2886, 0.4757)$

Have a look what the booklet for
Yxy(64.0189, 0.2886, 0.4757)
contains.

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Color

Yxy(64.1164, 0.2886, 0.4755)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 60EC83 |
| RGB | 96, 236, 131 |
| RGB Percent | 38%, 93%, 51% |
| CMY | 0.6237, 0.0745, 0.4861 |
| CMYK | 0.59, 0.00, 0.44, 0.07 |
| HSL | 135°, 79%, 65% |
| HSV | 135°, 59%, 93% |
| XYZ | 38.9148, 64.1164, 31.8087 |
| YIQ | 182.1700, -49.7350, -62.3350 |

Conversions

Conversions Part 2

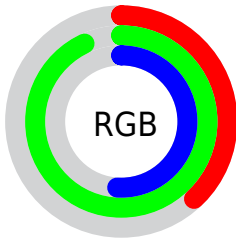
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 96, 208, 236 |
| Decimal | 6352003 |
| CIELab | 84.03, -59.87, 39.75 |
| CIELCh | 84, 71.868, 146.418 |
| Yxy | 64.1164, 0.2886, 0.4755 |
| Android (android.graphics.Color) | 4284542083 (0xFF60EC83) |
| YUV | 182.1700, -25.2268, -75.5711 |
| Hunter-Lab | 80.0727, -53.3774, 32.4981 |

Details

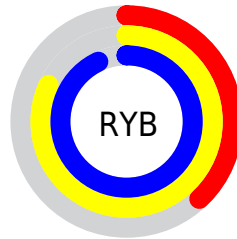
The Yxy color **64.1164, 0.2886, 0.4755** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **30.4070, 0.3568, 0.2200**, and the grayscale version is **47.0346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1909, 0.2931, 0.4124**, and **32.8434, 0.2783, 0.5192** is the 20% darker color. If you saturate the color by 10%, you get **62.5863, 0.2874, 0.5039**, and if you desaturate by 10%, it is **66.1177, 0.2911, 0.4467**.

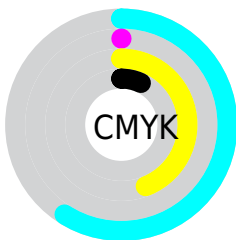
Distribution



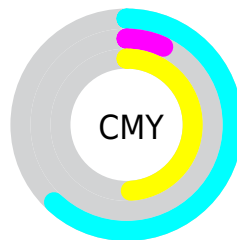
- Red (38%)
- Green (93%)
- Blue (51%)



- Red (38%)
- Yellow (82%)
- Blue (93%)



- Cyan (59%)
- Magenta (0%)
- Yellow (44%)
- Black (7%)





- Cyan (62%)
- Magenta (7%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1164, 0.2886, 0.4755 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 64.1164, 0.2886, 0.4755 by changing the saturation by 10% instead.


 64.1164, 0.2886,
0.4755


 64.1164, 0.2886,
0.4755


439.6099, 0.3033,
0.4007

 46.7450, 0.2842,
0.4943

 110.7786, 0.2945,
0.4482


 32.8341, 0.2781,
0.5183


 140.8381, 0.2966,
0.4379

 21.9994, 0.2693,
0.5500


 175.8957, 0.2982,
0.4293

 13.8564, 0.2560,
0.5931

 216.3359, 0.2996,
0.4219

 8.0209, 0.2343,
0.6541

262.5430, 0.3008,
0.4155

 4.1083, 0.2046,
0.7734

314.9014, 0.3017,

 1.7343, 0.0082,

0.4100

0.9918

373.7956, 0.3026,
0.4051

0.4457, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.1164, 0.2886,
0.4755

64.1164, 0.2886,
0.4755

62.5863, 0.2874,
0.5039

66.1177, 0.2911,
0.4467

61.4798, 0.2877,
0.5304


68.6174, 0.2946,
0.4187


60.7529, 0.2894,
0.5534


71.6497, 0.2988,
0.3925


60.3338, 0.2923,
0.5718

75.2435, 0.3034,
0.3685

 60.3114, 0.2925,
0.5729

 79.4258, 0.3082,
0.3469

 84.2217, 0.3130,
0.3278

 88.4660, 0.3137,
0.3108

 88.4746, 0.3136,
0.3107

Harmonies

Analogous

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



64.1164, 0.3730, 0.4945



64.1164, 0.2886, 0.4755



64.1164, 0.2154, 0.3911

Triad

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



64.1164, 0.2886, 0.4755



64.1164, 0.1838, 0.1995



64.1164, 0.4760, 0.3299

Complementary

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



64.1164, 0.2886, 0.4755



30.4070, 0.3568, 0.2200

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.



64.1164, 0.4093, 0.2714



64.1164, 0.2886, 0.4755



64.1164, 0.2357, 0.2001

Square

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



64.1164, 0.2886, 0.4755



64.1164, 0.1626, 0.2287



64.1164, 0.3167, 0.2256



64.1164, 0.4873, 0.3935

Rectangle

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



64.1164, 0.2886, 0.4755



64.1164, 0.1827, 0.3242



64.1164, 0.3167, 0.2256



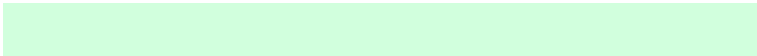
64.1164, 0.4591, 0.3095

Sweetspot

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



64.1190, 0.2886, 0.4755



90.2888, 0.3040, 0.3656



73.2553, 0.3705, 0.4829



19.0368, 0.3026, 0.3723



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.



64.1190, 0.2886, 0.4755



74.3128, 0.2873, 0.5093



66.6962, 0.2551, 0.3751



16.9240, 0.3082, 0.3472



33.2602, 0.2918, 0.5704



2.6268, 0.2844, 0.5439

Inverse Universe

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



30.4070, 0.3568, 0.2200



30.7871, 0.3689, 0.2055



27.8310, 0.4499, 0.2921



15.2456, 0.3176, 0.3115



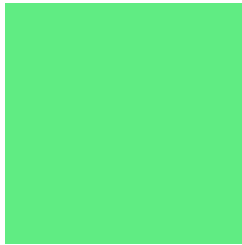
11.5991, 0.3963, 0.1957



0.9260, 0.3836, 0.1887

Previews

White Background



This preview shows how the Yxy color 64.1164, 0.2886, 0.4755 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 64.1164, 0.2886, 0.4755 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 64.1164, 0.2886, 0.4755

Background



This preview shows how black text looks on a background with the Yxy color 64.1164, 0.2886, 0.4755.

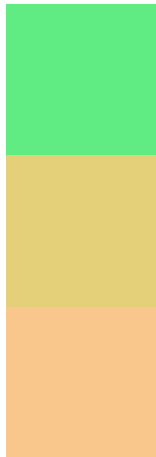


This preview shows how white text looks on a background with the Yxy color 64.1164, 0.2886, 0.4755.

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

64.1164, 0.2886, 0.4755

Protanopia

62.9862, 0.3914, 0.4251

Deuteranopia

62.8800, 0.3997, 0.3914



Tritanopia

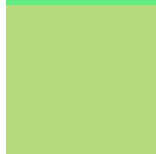
63.5618, 0.2455, 0.3067

Trichromacy



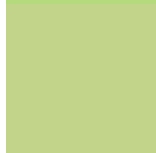
Original Color

64.1164, 0.2886, 0.4755



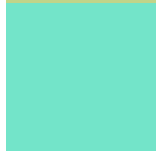
Protanomaly

61.3268, 0.3458, 0.4455



Deuteranomaly

60.2306, 0.3502, 0.4214



Tritanomaly

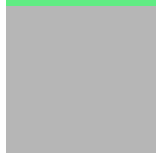
63.3487, 0.2610, 0.3645

Monochromacy



Original Color

64.1164, 0.2886, 0.4755



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

51.4647, 0.3013, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1164, 0.2886, 0.4755 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(96, 236, 131)` looks like.

```
.text, #text, p{  
    color:rgb(96, 236, 131)  
}
```

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(96, 236, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 236, 131) }
```

Border

The CSS property to change the border of an element to Yxy 64.1164, 0.2886, 0.4755 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(96, 236, 131) }
```

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

```
.border{ border-color:rgb(96, 236, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 236, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 236, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 236, 131);  
box-shadow:4px 4px 4px 4px rgb(96, 236,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1164, 0.2886, 0.4755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 236, 131) }
```

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

```
.background{ background-color: rgb(96, 236,  
131) }
```

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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