

Converting Colors

$Yxy(66.6431, 0.2657, 0.4116)$

Have a look what the booklet for
Yxy(66.6431, 0.2657, 0.4116)
contains.

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Color

Yxy(66.6506, 0.2658, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	5DEEB1
RGB	93, 238, 177
RGB Percent	36%, 93%, 69%
CMY	0.6354, 0.0666, 0.3060
CMYK	0.61, 0.00, 0.26, 0.07
HSL	155°, 81%, 65%
HSV	155°, 61%, 93%
XYZ	43.0202, 66.6506, 52.1810
YIQ	187.6910, -66.8390, -49.7110

Conversions

Conversions Part 2

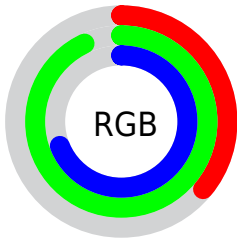
Format	Color
R_{YB}	93, 185, 238
Decimal	6155953
CIE _{Lab}	85.33, -52.86, 18.19
CIE _{LCh}	85, 55.900, 161.010
Yxy	66.6506, 0.2658, 0.4118
Android (android.graphics.Color)	4284346033 (0xFF5DEEB1)
YUV	187.6910, -5.2707, -83.0440
Hunter-Lab	81.6398, -48.8088, 19.2520

Details

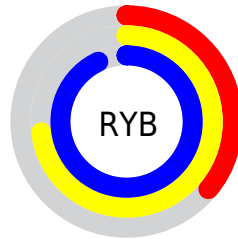
The Yxy color **66.6506, 0.2658, 0.4118** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **28.3349, 0.4206, 0.2648**, and the grayscale version is **50.1595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3718, 0.2684, 0.3540**, and **34.5030, 0.2542, 0.4349** is the 20% darker color. If you saturate the color by 10%, you get **65.2143, 0.2628, 0.4283**, and if you desaturate by 10%, it is **68.5078, 0.2706, 0.3957**.

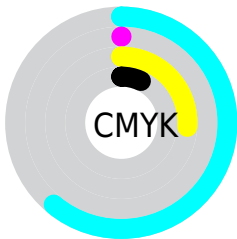
Distribution



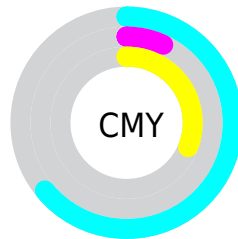
- Red (36%)
- Green (93%)
- Blue (69%)



- Red (36%)
- Yellow (73%)
- Blue (93%)



- Cyan (61%)
- Magenta (0%)
- Yellow (26%)
- Black (7%)




- Cyan (64%)
- Magenta (7%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6506, 0.2658, 0.4118 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 66.6506, 0.2658, 0.4118 by changing the saturation by 10% instead.

 66.6506, 0.2658,
0.4118


 66.6506, 0.2658,
0.4118


448.7001, 0.2888,
0.3707


 48.8007, 0.2602,
0.4219

 114.4196, 0.2741,
0.3970


 34.4614, 0.2531,
0.4348


 145.1076, 0.2772,
0.3914

 23.2483, 0.2438,
0.4518


 180.8436, 0.2799,
0.3866

 14.7770, 0.2312,
0.4751

 222.0123, 0.2822,
0.3825

 8.6630, 0.2132,
0.5089

268.9978, 0.2842,
0.3790

 4.5220, 0.1857,
0.5617

322.1847, 0.2859,

 1.9697, 0.1124,

0.3759

0.6868

381.9573, 0.2875,
0.3731

■ 0.5898, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.6506, 0.2658,
0.4118

■ 66.6506, 0.2658,
0.4118

■ 65.2143, 0.2628,
0.4283

■ 68.5078, 0.2706,
0.3957

■ 64.1531, 0.2619,
0.4450

■ 70.8110, 0.2770,
0.3804

■ 63.4245, 0.2630,
0.4613

■ 73.5925, 0.2846,
0.3660

■ 62.9852, 0.2654,
0.4756

■ 76.8793, 0.2932,
0.3528

 80.6963, 0.3023,
0.3408

 85.0669, 0.3118,
0.3300

 89.1347, 0.3184,
0.3202

 89.6342, 0.3135,
0.3127

Harmonies

Analogous

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



66.6506, 0.3312, 0.4534



66.6506, 0.2658, 0.4118



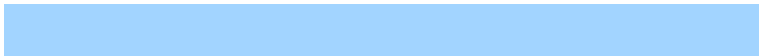
66.6506, 0.2164, 0.3406

Triad

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



66.6506, 0.2658, 0.4118



66.6506, 0.2275, 0.2226



66.6506, 0.4492, 0.3584

Complementary

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



66.6506, 0.2658, 0.4118



28.3349, 0.4206, 0.2648

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.



66.6506, 0.4162, 0.3071



66.6506, 0.2658, 0.4118



66.6506, 0.2819, 0.2329

Square

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



66.6506, 0.2658, 0.4118



66.6506, 0.1972, 0.2357



66.6506, 0.3519, 0.2628



66.6506, 0.4396, 0.4092

Rectangle

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



66.6506, 0.2658, 0.4118



66.6506, 0.1978, 0.2948



66.6506, 0.3519, 0.2628



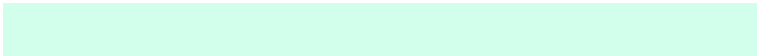
66.6506, 0.4428, 0.3409

Sweetspot

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



66.6533, 0.2658, 0.4118



91.1278, 0.2958, 0.3492



68.9939, 0.3388, 0.5056



19.2402, 0.2931, 0.3529



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.



66.6533, 0.2658, 0.4118



75.9411, 0.2624, 0.4322



64.1729, 0.2357, 0.3166



17.8099, 0.3037, 0.3391



35.1629, 0.2648, 0.4731



2.9450, 0.2589, 0.4522

Inverse Universe

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



28.3349, 0.4206, 0.2648



27.6099, 0.4559, 0.2588



28.5971, 0.4988, 0.3392



15.8692, 0.3227, 0.3191



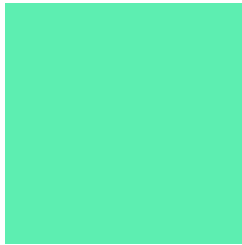
10.6804, 0.5292, 0.2689



0.9080, 0.4953, 0.2502

Previews

White Background



This preview shows how the Yxy color 66.6506, 0.2658, 0.4118 looks on a white background.

Color Contrast Check

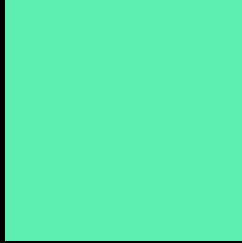
Large Text (above 18pt) WCAG AA × Fail

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 66.6506, 0.2658, 0.4118 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 66.6506, 0.2658, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 66.6506, 0.2658, 0.4118.



This preview shows how white text looks on a background with the Yxy color 66.6506, 0.2658, 0.4118.

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

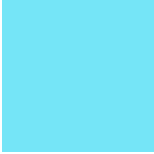
66.6506, 0.2658, 0.4118

Protanopia

65.4376, 0.3582, 0.3820

Deuteranopia

65.5237, 0.3578, 0.3507



Tritanopia

66.5359, 0.2405, 0.3069

Trichromacy



Original Color

66.6506, 0.2658, 0.4118



Protanomaly

64.0425, 0.3160, 0.3938



Deuteranomaly

63.1393, 0.3158, 0.3717



Tritanomaly

66.1753, 0.2489, 0.3416

Monochromacy



Original Color

66.6506, 0.2658, 0.4118



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

54.3756, 0.2890, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6506, 0.2658, 0.4118 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(93, 238, 177)` looks like.

```
.text, #text, p{  
    color:rgb(93, 238, 177)  
}
```

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(93, 238, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 238, 177) }
```

Border

The CSS property to change the border of an element to Yxy 66.6506, 0.2658, 0.4118 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(93, 238, 177) }
```

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

```
.border{ border-color:rgb(93, 238, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 238, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 238, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 238, 177);  
box-shadow:4px 4px 4px 4px rgb(93, 238,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6506, 0.2658, 0.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 238, 177) }
```

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

```
.background{ background-color: rgb(93, 238,  
177) }
```

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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