

Converting Colors

$Yxy(69.0497, 0.2563, 0.3886)$

Have a look what the booklet for
Yxy(69.0497, 0.2563, 0.3886)
contains.

Yxy(69.0200, 0.2563, 0.3884)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.0200, 0.2563, 0.3884)

Conversions

Conversions Part 1

Format	Color
Hex	59F1C4
RGB	89, 241, 196
RGB Percent	35%, 95%, 77%
CMY	0.6505, 0.0549, 0.2314
CMYK	0.63, 0.00, 0.19, 0.05
HSL	162°, 84%, 65%
HSV	162°, 63%, 95%
XYZ	45.5454, 69.0200, 63.1380
YIQ	190.4220, -76.1470, -46.2190

Conversions

Conversions Part 2

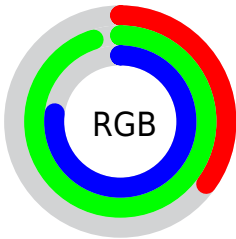
Format	Color
R_{YB}	89, 178, 241
Decimal	5894596
CIE _{Lab}	86.51, -50.60, 9.97
CIE _{LCh}	87, 51.577, 168.855
Yxy	69.0200, 0.2563, 0.3884
Android (android.graphics.Color)	4284084676 (0xFF59F1C4)
YUV	190.4220, 2.7500, -88.9471
Hunter-Lab	83.0783, -47.5293, 13.0954

Details

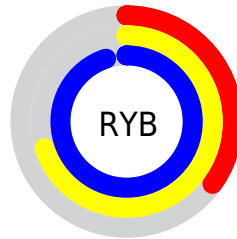
The Yxy color **69.0200, 0.2563, 0.3884** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **27.5883, 0.4537, 0.2834**, and the grayscale version is **51.7832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3842, 0.2583, 0.3311**, and **36.2340, 0.2456, 0.4040** is the 20% darker color. If you saturate the color by 10%, you get **67.7000, 0.2527, 0.3997**, and if you desaturate by 10%, it is **70.7511, 0.2618, 0.3774**.

Distribution



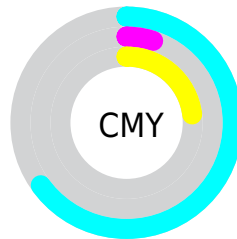
- Red (35%)
- Green (95%)
- Blue (77%)



- Red (35%)
- Yellow (70%)
- Blue (95%)



- Cyan (63%)
- Magenta (0%)
- Yellow (19%)
- Black (5%)




- Cyan (65%)
- Magenta (5%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0200, 0.2563, 0.3884 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 69.0200, 0.2563, 0.3884 by changing the saturation by 10% instead.


 69.0200, 0.2563,
0.3884

 69.0200, 0.2563,
0.3884


457.1015, 0.2830,
0.3596

 50.7280, 0.2501,
0.3953


 117.8101, 0.2657,
0.3782


 35.9922, 0.2423,
0.4040


 149.0771, 0.2693,
0.3743

 24.4282, 0.2324,
0.4153

 185.4378, 0.2724,
0.3709

 15.6515, 0.2192,
0.4305

 227.2766, 0.2751,
0.3680

 9.2779, 0.2011,
0.4520

274.9780, 0.2774,
0.3655

 4.9229, 0.1748,
0.4848

328.9264, 0.2795,

 2.2021, 0.1244,

0.3633

389.5061, 0.2814,
0.3614

0.5455

0.7211, 0.0000,
0.8910

0.0000, 0.0000,
0.0000

69.0200, 0.2563,
0.3884

69.0200, 0.2563,
0.3884

67.7000, 0.2527,
0.3997

70.7511, 0.2618,
0.3774

66.7432, 0.2512,
0.4111


72.9198, 0.2690,
0.3668

66.1038, 0.2516,
0.4224


75.5595, 0.2777,
0.3568


65.7947, 0.2528,
0.4302


78.6983, 0.2875,
0.3475

 82.3618, 0.2981,
0.3389

 86.5742, 0.3093,
0.3312

 90.8208, 0.3189,
0.3242

 91.2678, 0.3145,
0.3174

 91.3883, 0.3133,
0.3156

Harmonies

Analogous

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



69.0200, 0.3142, 0.4356



69.0200, 0.2563, 0.3884



69.0200, 0.2161, 0.3230

Triad

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



69.0200, 0.2563, 0.3884



69.0200, 0.2456, 0.2312



69.0200, 0.4389, 0.3698

Complementary

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



69.0200, 0.2563, 0.3884



27.5883, 0.4537, 0.2834

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.



69.0200, 0.4184, 0.3215



69.0200, 0.2563, 0.3884



69.0200, 0.3008, 0.2458

Square

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



69.0200, 0.2563, 0.3884



69.0200, 0.2111, 0.2378



69.0200, 0.3656, 0.2778



69.0200, 0.4213, 0.4146

Rectangle

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



69.0200, 0.2563, 0.3884



69.0200, 0.2030, 0.2843



69.0200, 0.3656, 0.2778



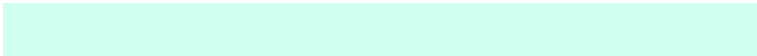
69.0200, 0.4364, 0.3537

Sweetspot

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



69.0227, 0.2563, 0.3884



91.0502, 0.2916, 0.3440



68.7557, 0.3262, 0.5192



19.2420, 0.2886, 0.3465



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.



69.0227, 0.2563, 0.3884



76.5759, 0.2520, 0.4034



54.8798, 0.2279, 0.2894



17.8445, 0.3020, 0.3361



35.7051, 0.2523, 0.4283



2.9877, 0.2482, 0.4136

Inverse Universe

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



27.5883, 0.4537, 0.2834



25.9419, 0.5021, 0.2817



32.7338, 0.4921, 0.3601



15.8359, 0.3247, 0.3220



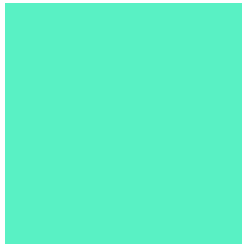
10.4112, 0.5775, 0.2955



0.8829, 0.5401, 0.2749

Previews

White Background



This preview shows how the Yxy color 69.0200, 0.2563, 0.3884 looks on a white background.

Color Contrast Check

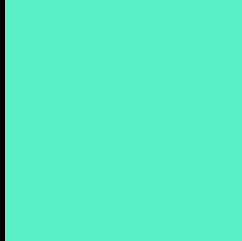
Large Text (above 18pt) WCAG AA × Fail

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 69.0200, 0.2563, 0.3884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

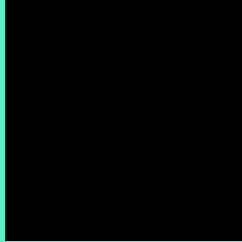
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.0200, 0.2563, 0.3884

Background



This preview shows how black text looks on a background with the Yxy color 69.0200, 0.2563, 0.3884.

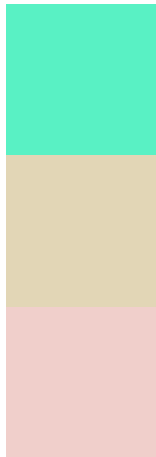


This preview shows how white text looks on a background with the Yxy color 69.0200, 0.2563, 0.3884.

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

69.0200, 0.2563, 0.3884

Protanopia

67.6393, 0.3443, 0.3648

Deuteranopia

67.4627, 0.3411, 0.3334



Tritanopia

68.6856, 0.2373, 0.3060

Trichromacy



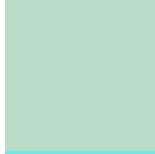
Original Color

69.0200, 0.2563, 0.3884



Protanomaly

66.1293, 0.3031, 0.3744



Deuteranomaly

65.1475, 0.3011, 0.3518



Tritanomaly

68.7007, 0.2437, 0.3338

Monochromacy



Original Color

69.0200, 0.2563, 0.3884



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

56.1790, 0.2842, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0200, 0.2563, 0.3884 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(89, 241, 196)` looks like.

```
.text, #text, p{  
    color:rgb(89, 241, 196)  
}
```

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(89, 241, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 241, 196) }
```

Border

The CSS property to change the border of an element to Yxy 69.0200, 0.2563, 0.3884 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(89, 241, 196) }
```

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

```
.border{ border-color:rgb(89, 241, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 241, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 241, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 241, 196);  
box-shadow:4px 4px 4px 4px rgb(89, 241,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0200, 0.2563, 0.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 241, 196) }
```

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

```
.background{ background-color: rgb(89, 241,  
196) }
```

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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