

Converting Colors

$Yxy(67.3606, 0.2661, 0.3953)$

Have a look what the booklet for
Yxy(67.3606, 0.2661, 0.3953)
contains.

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Color

Yxy(67.2820, 0.2662, 0.3953)

Conversions

Conversions Part 1

Format	Color
Hex	6BEDBB
RGB	107, 237, 187
RGB Percent	42%, 93%, 73%
CMY	0.5808, 0.0705, 0.2666
CMYK	0.55, 0.00, 0.21, 0.07
HSL	157°, 78%, 67%
HSV	157°, 55%, 93%
XYZ	45.3085, 67.2820, 57.6144
YIQ	192.4300, -61.4300, -43.1100

Conversions

Conversions Part 2

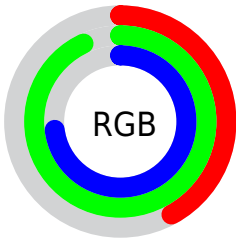
Format	Color
RYB	107, 187, 237
Decimal	7073211
CIELab	85.65, -47.54, 13.49
CIELCh	86, 49.419, 164.164
Yxy	67.2820, 0.2662, 0.3953
Android (android.graphics.Color)	4285263291 (0xFF6BEDBB)
YUV	192.4300, -2.6770, -74.9221
Hunter-Lab	82.0256, -44.9466, 15.7729

Details

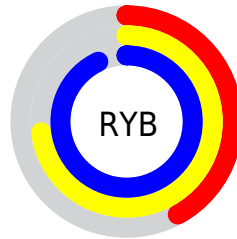
The Yxy color **67.2820, 0.2662, 0.3953** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **30.9335, 0.4109, 0.2748**, and the grayscale version is **53.0068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2066, 0.2694, 0.3422**, and **34.7758, 0.2540, 0.4123** is the 20% darker color. If you saturate the color by 10%, you get **65.6352, 0.2618, 0.4101**, and if you desaturate by 10%, it is **69.3614, 0.2723, 0.3811**.

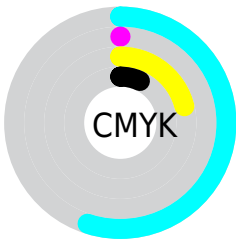
Distribution



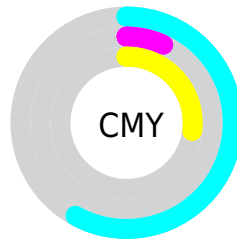
- Red (42%)
- Green (93%)
- Blue (73%)



- Red (42%)
- Yellow (73%)
- Blue (93%)



- Cyan (55%)
- Magenta (0%)
- Yellow (21%)
- Black (7%)





- Cyan (58%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2820, 0.2662, 0.3953 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 67.2820, 0.2662, 0.3953 by changing the saturation by 10% instead.

 67.2820, 0.2662,
0.3953


 67.2820, 0.2662,
0.3953


450.9479, 0.2886,
0.3628


 49.3138, 0.2609,
0.4032


 115.3244, 0.2742,
0.3836

 34.8685, 0.2541,
0.4132


 146.1674, 0.2772,
0.3792

 23.5616, 0.2454,
0.4264


 182.0708, 0.2798,
0.3754

 15.0087, 0.2337,
0.4443

223.4191, 0.2821,
0.3722

 8.8255, 0.2173,
0.4700

270.5965, 0.2840,
0.3694

 4.6275, 0.1926,
0.5100


323.9875, 0.2857,

 2.0304, 0.1404,


0.3669

0.5870


383.9765, 0.2873,
0.3647


 0.6251, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.2820, 0.2662,
0.3953

 67.2820, 0.2662,
0.3953

 65.6352, 0.2618,
0.4101


 69.3614, 0.2723,
0.3811

 64.3785, 0.2593,
0.4251

 71.8955, 0.2799,
0.3677

 63.4750, 0.2589,
0.4402


 74.9148, 0.2885,
0.3553

 62.8760, 0.2604,
0.4550


 78.4445, 0.2979,
0.3439

 62.6495, 0.2618,
0.4623

 82.5081, 0.3078,
0.3336

 87.1277, 0.3179,
0.3244

 88.7876, 0.3161,
0.3157

 89.0568, 0.3135,
0.3117

Harmonies

Analogous

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



67.2820, 0.3238, 0.4355



67.2820, 0.2662, 0.3953



67.2820, 0.2237, 0.3332

Triad

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



67.2820, 0.2662, 0.3953



67.2820, 0.2410, 0.2337



67.2820, 0.4341, 0.3616

Complementary

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



67.2820, 0.2662, 0.3953



30.9335, 0.4109, 0.2748

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.



67.2820, 0.4085, 0.3148



67.2820, 0.2662, 0.3953



67.2820, 0.2920, 0.2448

Square

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



67.2820, 0.2662, 0.3953



67.2820, 0.2109, 0.2438



67.2820, 0.3542, 0.2736



67.2820, 0.4228, 0.4061

Rectangle

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



67.2820, 0.2662, 0.3953



67.2820, 0.2083, 0.2941



67.2820, 0.3542, 0.2736



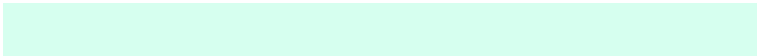
67.2820, 0.4296, 0.3459

Sweetspot

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



67.2847, 0.2662, 0.3953



92.0971, 0.2968, 0.3452



69.0019, 0.3351, 0.4896



19.5206, 0.2948, 0.3475



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.



67.2847, 0.2662, 0.3953



77.2632, 0.2613, 0.4121



62.5482, 0.2397, 0.3124



17.0181, 0.3032, 0.3382



34.2260, 0.2611, 0.4600



2.7063, 0.2555, 0.4397

Inverse Universe

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



30.9335, 0.4109, 0.2748



30.2749, 0.4440, 0.2676



32.4788, 0.4682, 0.3434



15.1499, 0.3233, 0.3200



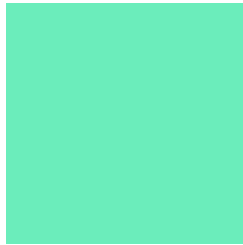
10.2668, 0.5438, 0.2769



0.8245, 0.5065, 0.2564

Previews

White Background



This preview shows how the Yxy color 67.2820, 0.2662, 0.3953 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 67.2820, 0.2662, 0.3953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

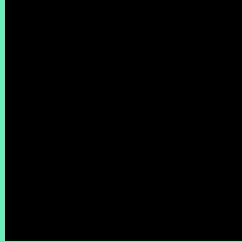
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.2820, 0.2662, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 67.2820, 0.2662, 0.3953.

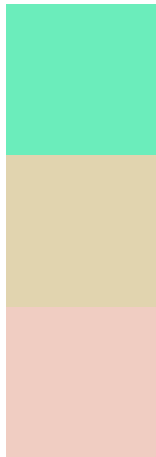


This preview shows how white text looks on a background with the Yxy color 67.2820, 0.2662, 0.3953.

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

67.2820, 0.2662, 0.3953

Protanopia

66.1897, 0.3491, 0.3707

Deuteranopia

66.0830, 0.3483, 0.3409



Tritanopia

67.1896, 0.2442, 0.3072

Trichromacy



Original Color

67.2820, 0.2662, 0.3953



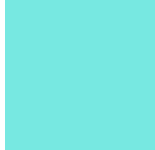
Protanomaly

64.9127, 0.3124, 0.3806



Deuteranomaly

64.5938, 0.3120, 0.3601



Tritanomaly

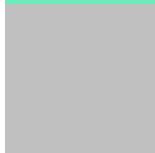
67.0714, 0.2520, 0.3376

Monochromacy



Original Color

67.2820, 0.2662, 0.3953



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.4065, 0.2907, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2820, 0.2662, 0.3953 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(107, 237, 187)` looks like.

```
.text, #text, p{  
    color:rgb(107, 237, 187)  
}
```

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(107, 237, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 237, 187) }
```

Border

The CSS property to change the border of an element to Yxy 67.2820, 0.2662, 0.3953 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(107, 237, 187) }
```

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

```
.border{ border-color:rgb(107, 237, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 237, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 237, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 237, 187);  
box-shadow:4px 4px 4px 4px rgb(107, 237,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2820, 0.2662, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 237, 187) }
```

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

```
.background{ background-color: rgb(107,  
237, 187) }
```

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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