

Converting Colors

$Yxy(61.9590, 0.2607, 0.3734)$

Have a look what the booklet for
Yxy(61.9590, 0.2607, 0.3734)
contains.

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Color

Yxy(61.9590, 0.2607, 0.3734)

Conversions

Conversions Part 1

Format	Color
Hex	6BE3C2
RGB	107, 227, 194
RGB Percent	42%, 89%, 76%
CMY	0.5809, 0.1097, 0.2392
CMYK	0.53, 0.00, 0.15, 0.11
HSL	164°, 68%, 65%
HSV	164°, 53%, 89%
XYZ	43.2585, 61.9590, 60.7145
YIQ	187.3580, -60.9270, -35.7030

Conversions

Conversions Part 2

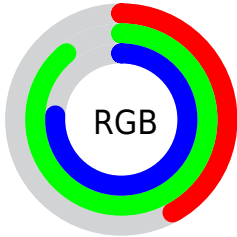
Format	Color
RYB	107, 177, 227
Decimal	7070658
CIELab	82.89, -41.65, 5.89
CIELCh	83, 42.066, 171.957
Yxy	61.9590, 0.2607, 0.3734
Android (android.graphics.Color)	4285260738 (0xFF6BE3C2)
YUV	187.3580, 3.2745, -70.4740
Hunter-Lab	78.7140, -39.6523, 9.3677

Details

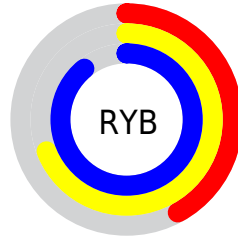
The Yxy color **61.9590, 0.2607, 0.3734** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.7149, 0.4229, 0.2915**, and the grayscale version is **49.8978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5291, 0.2656, 0.3344**, and **31.4907, 0.2479, 0.3863** is the 20% darker color. If you saturate the color by 10%, you get **60.4616, 0.2550, 0.3835**, and if you desaturate by 10%, it is **63.8422, 0.2681, 0.3637**.

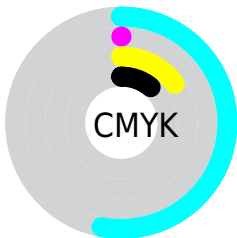
Distribution



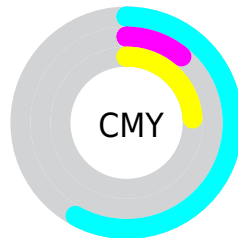
- Red (42%)
- Green (89%)
- Blue (76%)



- Red (42%)
- Yellow (69%)
- Blue (89%)



- Cyan (53%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)





- Cyan (58%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.9590, 0.2607, 0.3734 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 61.9590, 0.2607, 0.3734 by changing the saturation by 10% instead.


 61.9590, 0.2607,
0.3734


 61.9590, 0.2607,
0.3734

431.7815, 0.2856,
0.3518

 44.9996, 0.2548,
0.3786


 107.6663, 0.2695,
0.3657

 31.4571, 0.2474,
0.3852


 137.1829, 0.2729,
0.3627

 20.9472, 0.2379,
0.3939


 171.6541, 0.2758,
0.3602

 13.0854, 0.2252,
0.4056

211.4641, 0.2783,
0.3581

 7.4874, 0.2074,
0.4224

256.9975, 0.2805,
0.3562

 3.7687, 0.1809,
0.4484

308.6386, 0.2824,

 1.5450, 0.1118,

0.3545

0.5085

366.7718, 0.2841,
0.3531

■ 0.3201, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.9590, 0.2607,
0.3734

■ 61.9590, 0.2607,
0.3734

■ 60.4616, 0.2550,
0.3835

■ 63.8422, 0.2681,
0.3637

■ 59.3129, 0.2512,
0.3939


■ 66.1305, 0.2770,
0.3545

■ 58.4812, 0.2494,
0.4043

■ 68.8502, 0.2870,
0.3460

■ 57.9249, 0.2495,
0.4147

■ 72.0237, 0.2979,
0.3381


 57.6509, 0.2506,
0.4220

 75.6717, 0.3093,
0.3310

 79.8134, 0.3210,
0.3245

 82.3623, 0.3253,
0.3185

 82.7349, 0.3211,
0.3125

 83.1202, 0.3171,
0.3065

Harmonies

Analogous

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



61.9590, 0.3095, 0.4150



61.9590, 0.2607, 0.3734



61.9590, 0.2276, 0.3193

Triad

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



61.9590, 0.2607, 0.3734



61.9590, 0.2597, 0.2451



61.9590, 0.4196, 0.3698

Complementary

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



61.9590, 0.2607, 0.3734



28.7149, 0.4229, 0.2915

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.



61.9590, 0.4052, 0.3278



61.9590, 0.2607, 0.3734



61.9590, 0.3087, 0.2594

Square

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



61.9590, 0.2607, 0.3734



61.9590, 0.2274, 0.2494



61.9590, 0.3631, 0.2888



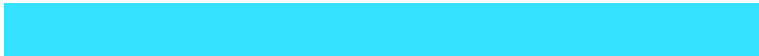
61.9590, 0.4025, 0.4065

Rectangle

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



61.9590, 0.2607, 0.3734



61.9590, 0.2174, 0.2876



61.9590, 0.3631, 0.2888



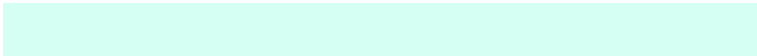
61.9590, 0.4184, 0.3559

Sweetspot

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



61.9615, 0.2607, 0.3734



92.3649, 0.2944, 0.3405



61.6629, 0.3252, 0.4880



19.5847, 0.2921, 0.3421



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.



61.9615, 0.2607, 0.3734



78.4452, 0.2543, 0.3851



50.4333, 0.2379, 0.2941



16.2652, 0.3018, 0.3355



33.6367, 0.2501, 0.4204



2.5011, 0.2459, 0.4054

Inverse Universe

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



28.7149, 0.4229, 0.2915



30.6761, 0.4627, 0.2865



34.1433, 0.4492, 0.3592



14.4328, 0.3249, 0.3226



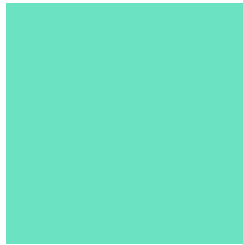
9.7465, 0.5843, 0.2993



0.7356, 0.5427, 0.2763

Previews

White Background



This preview shows how the Yxy color 61.9590, 0.2607, 0.3734 looks on a white background.

Color Contrast Check

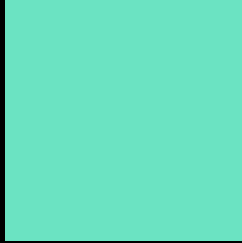
Large Text (above 18pt) WCAG AA × Fail

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 61.9590, 0.2607, 0.3734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

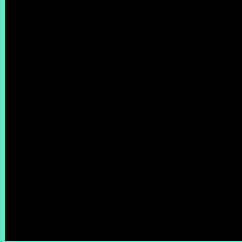
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

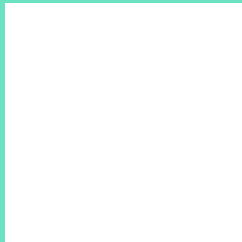
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.9590, 0.2607, 0.3734

Background



This preview shows how black text looks on a background with the Yxy color 61.9590, 0.2607, 0.3734.



This preview shows how white text looks on a background with the Yxy color 61.9590, 0.2607, 0.3734.

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

61.9590, 0.2607, 0.3734

Protanopia

60.8593, 0.3367, 0.3547

Deuteranopia

60.8892, 0.3344, 0.3268



Tritanopia

62.0098, 0.2437, 0.3064

Trichromacy



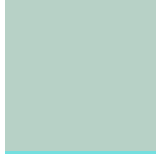
Original Color

61.9590, 0.2607, 0.3734



Protanomaly

59.7461, 0.3032, 0.3617



Deuteranomaly

59.7454, 0.3011, 0.3425



Tritanomaly

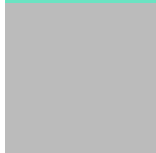
61.8161, 0.2495, 0.3288

Monochromacy



Original Color

61.9590, 0.2607, 0.3734



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

53.2279, 0.2883, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.9590, 0.2607, 0.3734 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, 227, 194)` looks like.

```
.text, #text, p{  
    color:rgb(107, 227, 194)  
}
```

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, 227, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 227, 194) }
```

Border

The CSS property to change the border of an element to Yxy 61.9590, 0.2607, 0.3734 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, 227, 194) }
```

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

```
.border{ border-color:rgb(107, 227, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 227, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 227, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 227, 194);  
box-shadow:4px 4px 4px 4px rgb(107, 227,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 61.9590, 0.2607, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 227, 194) }
```

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

```
.background{ background-color: rgb(107,  
227, 194) }
```

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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