

Converting Colors

$Yxy(64.4189, 0.2433, 0.3291)$

Have a look what the booklet for
Yxy(64.4189, 0.2433, 0.3291)
contains.

Yxy(64.5793, 0.2431, 0.3288)	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(64.5793, 0.2431, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	67E5E5
RGB	103, 229, 229
RGB Percent	40%, 90%, 90%
CMY	0.5965, 0.1019, 0.1019
CMYK	0.55, 0.00, 0.00, 0.10
HSL	180°, 71%, 65%
HSV	180°, 55%, 90%
XYZ	47.7470, 64.5793, 84.0827
YIQ	191.3260, -75.0960, -26.7120

Conversions

Conversions Part 2

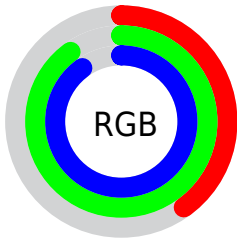
Format	Color
RYB	103, 166, 229
Decimal	6809061
CIELab	84.27, -34.71, -10.62
CIElCh	84, 36.299, 197.006
Yxy	64.5793, 0.2431, 0.3288
Android (android.graphics.Color)	4284999141 (0xFF67E5E5)
YUV	191.3260, 18.5733, -77.4619
Hunter-Lab	80.3612, -34.5755, -5.7828

Details

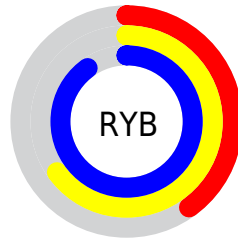
The Yxy color **64.5793, 0.2431, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.3173, 0.4776, 0.3295**, and the grayscale version is **52.2083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **33.1498, 0.2267, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **63.4096, 0.2358, 0.3288**, and if you desaturate by 10%, it is **66.1246, 0.2523, 0.3288**.

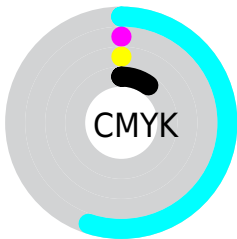
Distribution



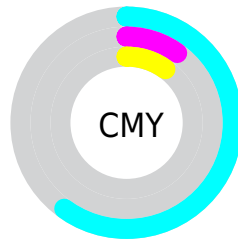
- Red (40%)
- Green (90%)
- Blue (90%)



- Red (40%)
- Yellow (65%)
- Blue (90%)



- Cyan (55%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (60%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5793, 0.2431, 0.3288 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 64.5793, 0.2431, 0.3288 by changing the saturation by 10% instead.


 64.5793, 0.2431,
0.3288

 64.5793, 0.2431,
0.3288

441.2786, 0.2753,
0.3297


 47.1200, 0.2358,
0.3284


 111.4448, 0.2542,
0.3293

 33.1306, 0.2268,
0.3277


 141.6198, 0.2586,
0.3294

 22.2265, 0.2155,
0.3267


 176.8022, 0.2623,
0.3295

 14.0234, 0.2009,
0.3251

217.3764, 0.2656,
0.3296

 8.1369, 0.1814,
0.3223

263.7267, 0.2684,
0.3297

 4.1827, 0.1542,
0.3169

316.2376, 0.2710,

 1.7763, 0.1127,

0.3297

0.3062

375.2934, 0.2732,
0.3297

0.4723, 0.0000,
0.2685

0.0000, 0.0000,
0.0000

64.5793, 0.2431,
0.3288

64.5793, 0.2431,
0.3288

63.4096, 0.2358,
0.3288

66.1246, 0.2523,
0.3288

62.5769, 0.2304,
0.3288

68.0657, 0.2634,
0.3289


62.0476, 0.2270,
0.3288

70.4300, 0.2760,
0.3289


61.7773, 0.2252,
0.3288


73.2404, 0.2899,
0.3289

 61.7042, 0.2247,
0.3288

 76.5181, 0.3048,
0.3290

 80.2832, 0.3205,
0.3290

 82.9648, 0.3308,
0.3291

 82.9649, 0.3308,
0.3291

 82.9649, 0.3308,
0.3291

Harmonies

Analogous

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



64.5793, 0.2748, 0.3735



64.5793, 0.2431, 0.3288



64.5793, 0.2296, 0.2884

Triad

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



64.5793, 0.2431, 0.3288



64.5793, 0.3020, 0.2657



64.5793, 0.3937, 0.3917

Complementary

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



64.5793, 0.2431, 0.3288



27.3173, 0.4776, 0.3295

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.



64.5793, 0.4036, 0.3593



64.5793, 0.2431, 0.3288



64.5793, 0.3484, 0.2895

Square

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



64.5793, 0.2431, 0.3288



64.5793, 0.2616, 0.2559



64.5793, 0.3867, 0.3227



64.5793, 0.3618, 0.4102

Rectangle

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



64.5793, 0.2431, 0.3288



64.5793, 0.2318, 0.2695



64.5793, 0.3867, 0.3227



64.5793, 0.3999, 0.3819

Sweetspot

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



64.5818, 0.2431, 0.3288



92.6850, 0.2870, 0.3289



60.0270, 0.3055, 0.5053



19.6783, 0.2841, 0.3289



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.



64.5818, 0.2431, 0.3288



80.7513, 0.2350, 0.3288



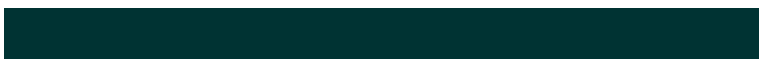
36.5616, 0.2254, 0.2442



16.3364, 0.2982, 0.3290



35.2743, 0.2247, 0.3288



2.6066, 0.2247, 0.3288

Inverse Universe

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



27.3173, 0.4776, 0.3295



28.7113, 0.5320, 0.3296



44.1359, 0.4328, 0.3978



14.3680, 0.3293, 0.3290



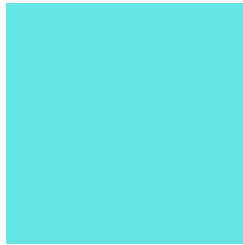
9.5243, 0.6401, 0.3300



0.7038, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 64.5793, 0.2431, 0.3288 looks on a white background.

Color Contrast Check

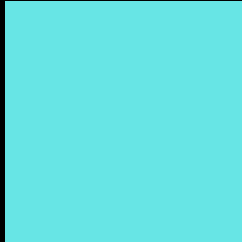
Large Text (above 18pt) WCAG AA × Fail

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 64.5793, 0.2431, 0.3288 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 64.5793, 0.2431, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 64.5793, 0.2431, 0.3288.

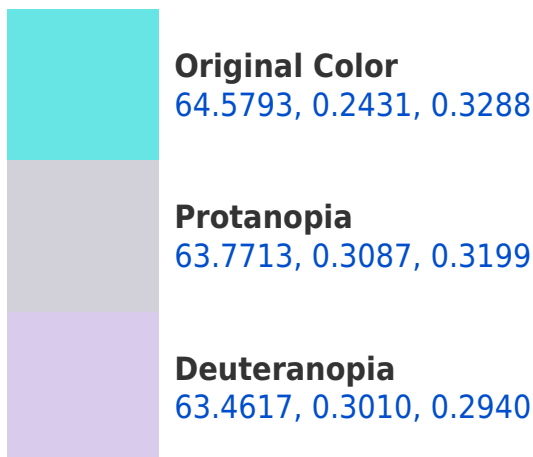


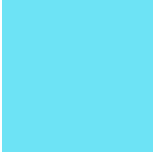
This preview shows how white text looks on a background with the Yxy color 64.5793, 0.2431, 0.3288.

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





Tritanopia

64.7820, 0.2379, 0.3066

Trichromacy



Original Color

64.5793, 0.2431, 0.3288



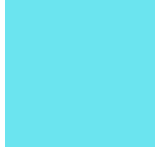
Protanomaly

62.9901, 0.2789, 0.3229



Deuteranomaly

62.2003, 0.2746, 0.3042



Tritanomaly

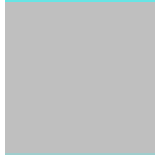
64.8446, 0.2400, 0.3151

Monochromacy



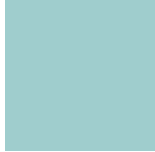
Original Color

64.5793, 0.2431, 0.3288



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.4413, 0.2797, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5793, 0.2431, 0.3288 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(103, 229, 229)` looks like.

```
.text, #text, p{  
    color:rgb(103, 229, 229)  
}
```

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(103, 229, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 229, 229) }
```

Border

The CSS property to change the border of an element to Yxy 64.5793, 0.2431, 0.3288 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(103, 229, 229) }
```

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

```
.border{ border-color:rgb(103, 229, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 229, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 229, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 229, 229); box-shadow:4px 4px 4px 4px rgb(103, 229, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5793, 0.2431, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 229, 229) }
```

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

```
.background{ background-color: rgb(103,  
229, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor