

Converting Colors

$Yxy(64.6657, 0.2544, 0.3286)$

Have a look what the booklet for
Yxy(64.6657, 0.2544, 0.3286)
contains.

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Color

Yxy(64.5508, 0.2546, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	81E2E2
RGB	129, 226, 226
RGB Percent	51%, 89%, 89%
CMY	0.4939, 0.1137, 0.1137
CMYK	0.43, 0.00, 0.00, 0.11
HSL	180°, 63%, 70%
HSV	180°, 43%, 89%
XYZ	49.9837, 64.5508, 81.7879
YIQ	196.9970, -57.8120, -20.5640

Conversions

Conversions Part 2

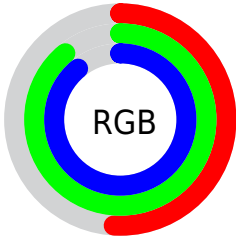
Format	Color
RYB	129, 178, 226
Decimal	8512226
CIELab	84.25, -28.54, -8.96
CIElCh	84, 29.909, 197.427
Yxy	64.5508, 0.2546, 0.3288
Android (android.graphics.Color)	4286702306 (0xFF81E2E2)
YUV	196.9970, 14.2985, -59.6334
Hunter-Lab	80.3435, -29.5519, -4.1154

Details

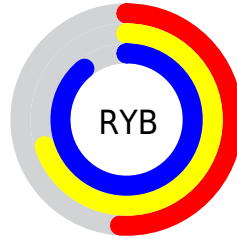
The Yxy color **64.5508, 0.2546, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.4764, 0.4250, 0.3294**, and the grayscale version is **55.7793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **32.9918, 0.2404, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **62.9713, 0.2450, 0.3288**, and if you desaturate by 10%, it is **66.5268, 0.2660, 0.3288**.

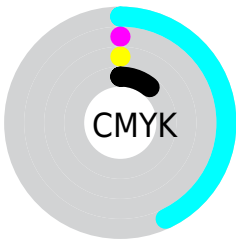
Distribution



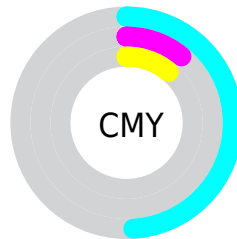
- Red (51%)
- Green (89%)
- Blue (89%)



- Red (51%)
- Yellow (70%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)




- Cyan (49%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5508, 0.2546, 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 64.5508, 0.2546, 0.3288 by changing the saturation by 10% instead.


 64.5508, 0.2546,
0.3288


 64.5508, 0.2546,
0.3288


441.1760, 0.2816,
0.3295


 47.0969, 0.2484,
0.3285


 111.4038, 0.2640,
0.3292

 33.1123, 0.2408,
0.3280


 141.5717, 0.2676,
0.3293

 22.2125, 0.2312,
0.3273


 176.7464, 0.2707,
0.3293

 14.0131, 0.2186,
0.3262

217.3124, 0.2735,
0.3294

 8.1298, 0.2017,
0.3242

263.6539, 0.2759,
0.3294

 4.1781, 0.1776,
0.3203

316.1554, 0.2780,

 1.7737, 0.1413,

0.3294

0.3121

375.2013, 0.2799,
0.3295

0.4707, 0.0000,
0.2905

0.0000, 0.0000,
0.0000

64.5508, 0.2546,
0.3288

64.5508, 0.2546,
0.3288

62.9713, 0.2450,
0.3288

66.5268, 0.2660,
0.3288

61.7547, 0.2372,
0.3287


68.9154, 0.2789,
0.3289


60.8742, 0.2314,
0.3287


71.7410, 0.2931,
0.3289


60.2961, 0.2276,
0.3287


75.0239, 0.3082,
0.3290


 59.9795, 0.2254,
0.3287


 78.7831, 0.3240,
0.3290

 59.8671, 0.2246,
0.3287

 81.1586, 0.3332,
0.3291

 81.1613, 0.3332,
0.3291

 81.1640, 0.3332,
0.3291

 81.1667, 0.3332,
0.3291

Harmonies

Analogous

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



64.5508, 0.2811, 0.3648



64.5508, 0.2546, 0.3288



64.5508, 0.2433, 0.2956

Triad

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



64.5508, 0.2546, 0.3288



64.5508, 0.3047, 0.2762



64.5508, 0.3795, 0.3818

Complementary

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



64.5508, 0.2546, 0.3288



33.4764, 0.4250, 0.3294

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.



64.5508, 0.3875, 0.3554



64.5508, 0.2546, 0.3288



64.5508, 0.3428, 0.2965

Square

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



64.5508, 0.2546, 0.3288



64.5508, 0.2708, 0.2679



64.5508, 0.3739, 0.3247



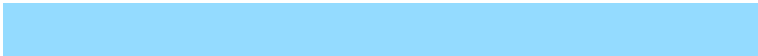
64.5508, 0.3533, 0.3958

Rectangle

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



64.5508, 0.2546, 0.3288



64.5508, 0.2452, 0.2797



64.5508, 0.3739, 0.3247



64.5508, 0.3845, 0.3740

Sweetspot

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



64.5533, 0.2546, 0.3288



94.2413, 0.2928, 0.3289



60.6592, 0.3065, 0.4621



19.9844, 0.2896, 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.



64.5533, 0.2546, 0.3288



83.0781, 0.2464, 0.3288



41.8178, 0.2437, 0.2639



15.5718, 0.2982, 0.3290



34.1486, 0.2246, 0.3287



2.3672, 0.2246, 0.3287

Inverse Universe

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



37.3754, 0.3177, 0.2242



43.1327, 0.3185, 0.2062



49.4128, 0.3991, 0.3854



13.9356, 0.3138, 0.3059



12.3554, 0.3210, 0.1542



0.8564, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 64.5508, 0.2546, 0.3288 looks on a white background.

Color Contrast Check

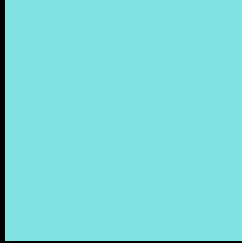
Large Text (above 18pt) WCAG AA × Fail

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 64.5508, 0.2546, 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 64.5508, 0.2546, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 64.5508, 0.2546, 0.3288.

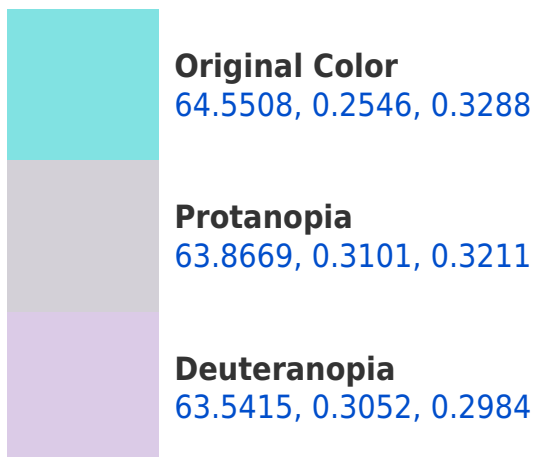


This preview shows how white text looks on a background with the Yxy color 64.5508, 0.2546, 0.3288.

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

64.7904, 0.2488, 0.3070

Trichromacy



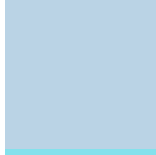
Original Color

64.5508, 0.2546, 0.3288



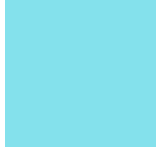
Protanomaly

63.5391, 0.2864, 0.3242



Deuteranomaly

62.6848, 0.2834, 0.3079



Tritanomaly

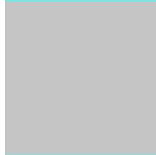
64.8121, 0.2510, 0.3153

Monochromacy



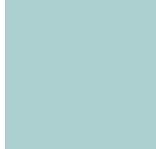
Original Color

64.5508, 0.2546, 0.3288



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.4365, 0.2868, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5508, 0.2546, 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(129, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(129, 226, 226)  
}
```

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(129, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 226, 226) }
```

Border

The CSS property to change the border of an element to Yxy 64.5508, 0.2546, 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(129, 226, 226) }
```

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

```
.border{ border-color:rgb(129, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(129, 226,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5508, 0.2546, 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(129, 226, 226) }
```

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

```
.background{ background-color: rgb(129,  
226, 226) }
```

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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