

Converting Colors

$Yxy(64.6934, 0.2476, 0.3288)$

Have a look what the booklet for
Yxy(64.6934, 0.2476, 0.3288)
contains.

Yxy(64.6656, 0.2476, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.6656, 0.2476, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	72E4E4
RGB	114, 228, 228
RGB Percent	45%, 89%, 89%
CMY	0.5525, 0.1059, 0.1059
CMYK	0.50, 0.00, 0.00, 0.11
HSL	180°, 68%, 67%
HSV	180°, 50%, 89%
XYZ	48.6959, 64.6656, 83.3101
YIQ	193.9140, -67.9440, -24.1680

Conversions

Conversions Part 2

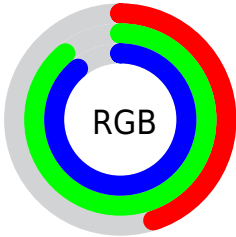
Format	Color
RYB	114, 171, 228
Decimal	7529700
CIELab	84.31, -32.29, -9.98
CIELCh	84, 33.794, 197.169
Yxy	64.6656, 0.2476, 0.3288
Android (android.graphics.Color)	4285719780 (0xFF72E4E4)
YUV	193.9140, 16.8044, -70.0846
Hunter-Lab	80.4149, -32.6341, -5.1341

Details

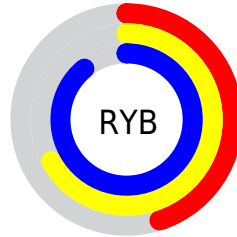
The Yxy color **64.6656, 0.2476, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.7712, 0.4544, 0.3294**, and the grayscale version is **53.8406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **33.1506, 0.2320, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **63.3228, 0.2393, 0.3288**, and if you desaturate by 10%, it is **66.3946, 0.2578, 0.3288**.

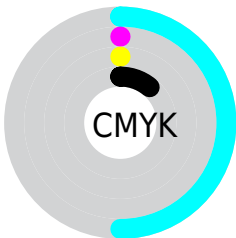
Distribution



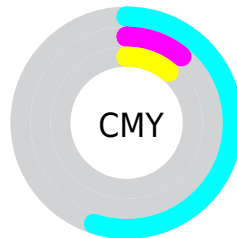
- Red (45%)
- Green (89%)
- Blue (89%)



- Red (45%)
- Yellow (67%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (55%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6656, 0.2476, 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 64.6656, 0.2476, 0.3288 by changing the saturation by 10% instead.


 64.6656, 0.2476,
0.3288

 64.6656, 0.2476,
0.3288


441.5893, 0.2777,
0.3296


 47.1900, 0.2407,
0.3284


 111.5690, 0.2580,
0.3292

 33.1859, 0.2323,
0.3279


 141.7655, 0.2621,
0.3294

 22.2689, 0.2217,
0.3270


 176.9711, 0.2656,
0.3294

 14.0546, 0.2079,
0.3256

217.5702, 0.2687,
0.3295

 8.1586, 0.1893,
0.3231

263.9472, 0.2713,
0.3296

 4.1966, 0.1633,
0.3184

316.4864, 0.2737,

 1.7842, 0.1241,

0.3296

0.3085

375.5723, 0.2758,
0.3296

0.4773, 0.0000,
0.2779

0.0000, 0.0000,
0.0000

64.6656, 0.2476,
0.3288

64.6656, 0.2476,
0.3288

63.3228, 0.2393,
0.3288

66.3946, 0.2578,
0.3288

62.3297, 0.2329,
0.3288


68.5280, 0.2696,
0.3289

61.6559, 0.2285,
0.3287


71.0920, 0.2829,
0.3289

61.2624, 0.2259,
0.3287

74.1084, 0.2974,
0.3290

 61.0815, 0.2247,
0.3287


 77.5975, 0.3128,
0.3290

 61.0807, 0.2247,
0.3287

 81.5785, 0.3287,
0.3290

 82.3470, 0.3316,
0.3291

 82.3475, 0.3316,
0.3291

 82.3480, 0.3316,
0.3291

Harmonies

Analogous

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



64.6656, 0.2773, 0.3700



64.6656, 0.2476, 0.3288



64.6656, 0.2350, 0.2912

Triad

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



64.6656, 0.2476, 0.3288



64.6656, 0.3031, 0.2698



64.6656, 0.3882, 0.3878

Complementary

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



64.6656, 0.2476, 0.3288



29.7712, 0.4544, 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.



64.6656, 0.3972, 0.3578



64.6656, 0.2476, 0.3288



64.6656, 0.3463, 0.2923

Square

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



64.6656, 0.2476, 0.3288



64.6656, 0.2652, 0.2606



64.6656, 0.3817, 0.3235



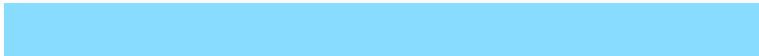
64.6656, 0.3585, 0.4045

Rectangle

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



64.6656, 0.2476, 0.3288



64.6656, 0.2370, 0.2735



64.6656, 0.3817, 0.3235



64.6656, 0.3938, 0.3788

Sweetspot

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



64.6681, 0.2476, 0.3288



93.4524, 0.2899, 0.3289



60.2869, 0.3053, 0.4877



19.8294, 0.2868, 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.



64.6681, 0.2476, 0.3288



81.5607, 0.2390, 0.3288



38.3318, 0.2325, 0.2509



16.3363, 0.2982, 0.3290



35.2716, 0.2247, 0.3287



2.6065, 0.2247, 0.3287

Inverse Universe

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



34.1537, 0.3184, 0.2090



37.9823, 0.3193, 0.1894



46.8565, 0.4174, 0.3943



14.6153, 0.3138, 0.3059



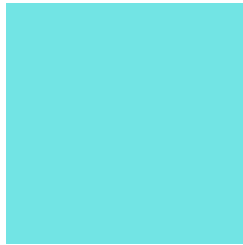
12.7584, 0.3209, 0.1542



0.9428, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 64.6656, 0.2476, 0.3288 looks on a white background.

Color Contrast Check

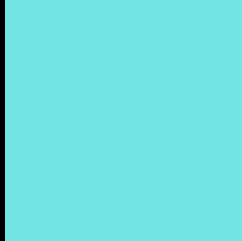
Large Text (above 18pt) WCAG AA × Fail

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 64.6656, 0.2476, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

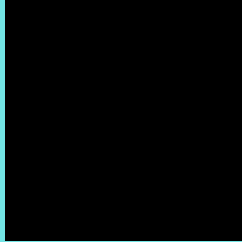
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6656, 0.2476, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 64.6656, 0.2476, 0.3288.

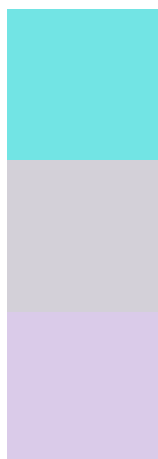


This preview shows how white text looks on a background with the Yxy color 64.6656, 0.2476, 0.3288.

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



Original Color

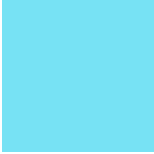
64.6656, 0.2476, 0.3288

Protanopia

63.9185, 0.3094, 0.3199

Deuteranopia

63.5005, 0.3031, 0.2962



Tritanopia

64.8463, 0.2419, 0.3068

Trichromacy



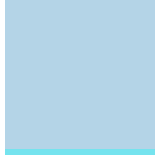
Original Color

64.6656, 0.2476, 0.3288



Protanomaly

62.9983, 0.2826, 0.3229



Deuteranomaly

62.5598, 0.2783, 0.3066



Tritanomaly

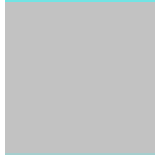
64.8931, 0.2440, 0.3152

Monochromacy



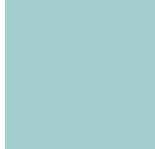
Original Color

64.6656, 0.2476, 0.3288



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

56.5982, 0.2832, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6656, 0.2476, 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(114, 228, 228)` looks like.

```
.text, #text, p{  
    color:rgb(114, 228, 228)  
}
```

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(114, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 228, 228) }
```

Border

The CSS property to change the border of an element to Yxy 64.6656, 0.2476, 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(114, 228, 228) }
```

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

```
.border{ border-color:rgb(114, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 228, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 228, 228); box-shadow:4px 4px 4px 4px rgb(114, 228, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6656, 0.2476, 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(114, 228, 228) }
```

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

```
.background{ background-color: rgb(114,  
228, 228) }
```

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