

Converting Colors

$Yxy(64.1585, 0.2563, 0.3288)$

Have a look what the booklet for
Yxy(64.1585, 0.2563, 0.3288)
contains.

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Color

Yxy(64.1922, 0.2563, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	84E1E1
RGB	132, 225, 225
RGB Percent	52%, 88%, 88%
CMY	0.4822, 0.1177, 0.1176
CMYK	0.41, 0.00, 0.00, 0.12
HSL	180°, 61%, 70%
HSV	180°, 41%, 88%
XYZ	50.0379, 64.1922, 81.0017
YIQ	197.1930, -55.4280, -19.7160

Conversions

Conversions Part 2

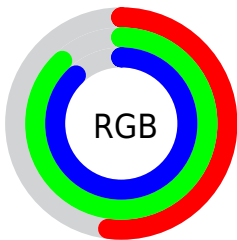
Format	Color
RYB	132, 179, 225
Decimal	8708577
CIELab	84.07, -27.59, -8.69
CIELCh	84, 28.926, 197.490
Yxy	64.1922, 0.2563, 0.3288
Android (android.graphics.Color)	4286898657 (0xFF84E1E1)
YUV	197.1930, 13.7089, -57.1743
Hunter-Lab	80.1200, -28.7303, -3.8584

Details

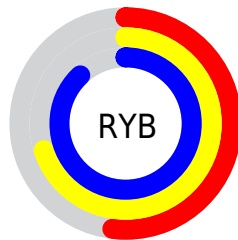
The Yxy color **64.1922, 0.2563, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.1983, 0.4188, 0.3293**, and the grayscale version is **55.9054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **32.7341, 0.2425, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **62.5681, 0.2464, 0.3288**, and if you desaturate by 10%, it is **66.2126, 0.2679, 0.3288**.

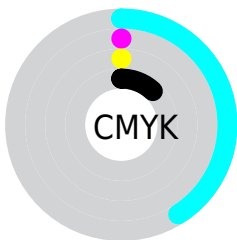
Distribution



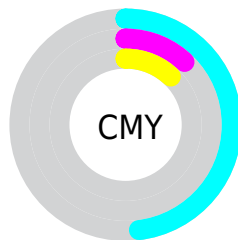
- Red (52%)
- Green (88%)
- Blue (88%)



- Red (52%)
- Yellow (70%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)





- Cyan (48%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1922, 0.2563, 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 64.1922, 0.2563, 0.3288 by changing the saturation by 10% instead.


 64.1922, 0.2563,
0.3288


 64.1922, 0.2563,
0.3288


439.8834, 0.2825,
0.3294

 46.8064, 0.2503,
0.3285

 110.8877, 0.2654,
0.3291

 32.8826, 0.2429,
0.3281


 140.9661, 0.2690,
0.3292

 22.0365, 0.2335,
0.3274


 176.0442, 0.2720,
0.3293

 13.8837, 0.2212,
0.3263

216.5064, 0.2747,
0.3294

 8.0398, 0.2046,
0.3244

262.7370, 0.2770,
0.3294

 4.1205, 0.1809,
0.3208

315.1204, 0.2791,

 1.7412, 0.1449,

0.3294

374.0411, 0.2809,
0.3294

0.3128

0.4501, 0.0000,
0.2896

0.0000, 0.0000,
0.0000

64.1922, 0.2563,
0.3288

64.1922, 0.2563,
0.3288

62.5681, 0.2464,
0.3288

66.2126, 0.2679,
0.3288

61.3073, 0.2383,
0.3287


68.6449, 0.2811,
0.3289

60.3840, 0.2322,
0.3287

71.5129, 0.2954,
0.3289

59.7657, 0.2281,
0.3287


74.8364, 0.3106,
0.3290

 59.4133, 0.2256,
0.3287

 78.6342, 0.3265,
0.3290

 59.2666, 0.2246,
0.3287

 80.5658, 0.3340,
0.3291

 80.5691, 0.3340,
0.3291

 80.5724, 0.3340,
0.3291

 80.5757, 0.3340,
0.3291

Harmonies

Analogous

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



64.1922, 0.2821, 0.3636



64.1922, 0.2563, 0.3288



64.1922, 0.2453, 0.2966

Triad

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



64.1922, 0.2563, 0.3288



64.1922, 0.3051, 0.2777



64.1922, 0.3775, 0.3803

Complementary

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



64.1922, 0.2563, 0.3288



34.1983, 0.4188, 0.3293

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.



64.1922, 0.3852, 0.3548



64.1922, 0.2563, 0.3288



64.1922, 0.3420, 0.2975

Square

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



64.1922, 0.2563, 0.3288



64.1922, 0.2721, 0.2697



64.1922, 0.3720, 0.3250



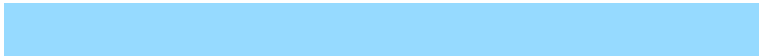
64.1922, 0.3521, 0.3937

Rectangle

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



64.1922, 0.2563, 0.3288



64.1922, 0.2472, 0.2812



64.1922, 0.3720, 0.3250



64.1922, 0.3823, 0.3727

Sweetspot

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



64.1947, 0.2563, 0.3288



94.6460, 0.2943, 0.3289



60.4380, 0.3067, 0.4564



20.1449, 0.2923, 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.



64.1947, 0.2563, 0.3288



83.2684, 0.2473, 0.3288



42.3986, 0.2463, 0.2668



15.5717, 0.2982, 0.3290



34.1450, 0.2246, 0.3287



2.3669, 0.2246, 0.3287

Inverse Universe

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



37.9604, 0.3175, 0.2278



43.7860, 0.3184, 0.2083



49.7305, 0.3951, 0.3834



13.9356, 0.3138, 0.3059



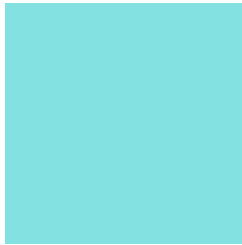
12.3550, 0.3210, 0.1542



0.8564, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 64.1922, 0.2563, 0.3288 looks on a white background.

Color Contrast Check

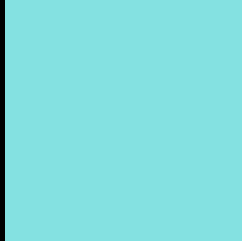
Large Text (above 18pt) WCAG AA × Fail

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 64.1922, 0.2563, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

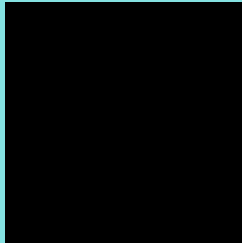
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.1922, 0.2563, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 64.1922, 0.2563, 0.3288.

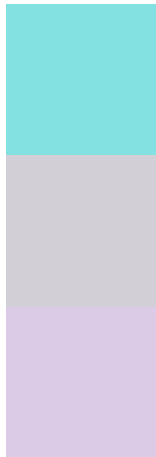


This preview shows how white text looks on a background with the Yxy color 64.1922, 0.2563, 0.3288.

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

64.1922, 0.2563, 0.3288

Protanopia

63.1823, 0.3101, 0.3210

Deuteranopia

63.4851, 0.3059, 0.2994



Tritanopia

64.3605, 0.2500, 0.3070

Trichromacy



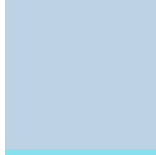
Original Color

64.1922, 0.2563, 0.3288



Protanomaly

63.1002, 0.2877, 0.3242



Deuteranomaly

62.7548, 0.2847, 0.3091



Tritanomaly

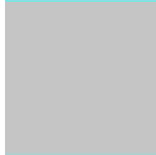
64.4604, 0.2526, 0.3153

Monochromacy



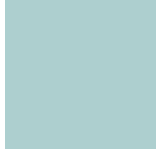
Original Color

64.1922, 0.2563, 0.3288



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.0149, 0.2881, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1922, 0.2563, 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(132, 225, 225)` looks like.

```
.text, #text, p{  
    color:rgb(132, 225, 225)  
}
```

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(132, 225, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 225, 225) }
```

Border

The CSS property to change the border of an element to Yxy 64.1922, 0.2563, 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(132, 225, 225) }
```

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

```
.border{ border-color:rgb(132, 225, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 225, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 225, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 225, 225);  
box-shadow:4px 4px 4px 4px rgb(132, 225,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1922, 0.2563, 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(132, 225, 225) }
```

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

```
.background{ background-color: rgb(132,  
225, 225) }
```

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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