

Converting Colors

$Yxy(64.7221, 0.2485, 0.3441)$

Have a look what the booklet for
Yxy(64.7221, 0.2485, 0.3441)
contains.

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Color

Yxy(64.5986, 0.2487, 0.3443)

Conversions

Conversions Part 1

Format	Color
Hex	68E6DA
RGB	104, 230, 218
RGB Percent	41%, 90%, 85%
CMY	0.5922, 0.0980, 0.1450
CMYK	0.55, 0.00, 0.05, 0.10
HSL	174°, 72%, 65%
HSV	174°, 55%, 90%
XYZ	46.6618, 64.5986, 76.3626
YIQ	190.9580, -71.2440, -30.4440

Conversions

Conversions Part 2

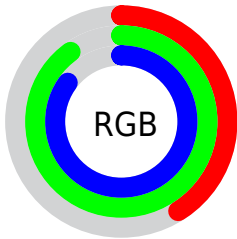
Format	Color
RYB	104, 170, 230
Decimal	6874842
CIELab	84.28, -37.79, -4.80
CIELCh	84, 38.093, 187.243
Yxy	64.5986, 0.2487, 0.3443
Android (android.graphics.Color)	4285064922 (0xFF68E6DA)
YUV	190.9580, 13.3317, -76.2622
Hunter-Lab	80.3733, -37.0225, -0.0701

Details

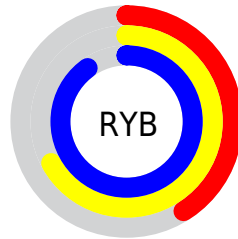
The Yxy color **64.5986, 0.2487, 0.3443** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **27.9795, 0.4604, 0.3163**, and the grayscale version is **52.0260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **33.1925, 0.2337, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **63.2941, 0.2420, 0.3475**, and if you desaturate by 10%, it is **66.2849, 0.2573, 0.3411**.

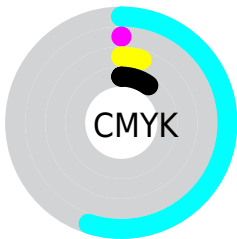
Distribution



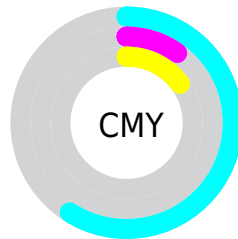
- Red (41%)
- Green (90%)
- Blue (85%)



- Red (41%)
- Yellow (67%)
- Blue (90%)



- Cyan (55%)
- Magenta (0%)
- Yellow (5%)
- Black (10%)




- Cyan (59%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5986, 0.2487, 0.3443 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 64.5986, 0.2487, 0.3443 by changing the saturation by 10% instead.

 64.5986, 0.2487,
0.3443

 64.5986, 0.2487,
0.3443


441.3481, 0.2785,
0.3376

 47.1357, 0.2419,
0.3457


 111.4726, 0.2591,
0.3420

 33.1429, 0.2334,
0.3475


 141.6524, 0.2631,
0.3411

 22.2360, 0.2228,
0.3496


 176.8400, 0.2666,
0.3403

 14.0304, 0.2089,
0.3521

217.4197, 0.2696,
0.3397

 8.1418, 0.1900,
0.3552

263.7760, 0.2722,
0.3390

 4.1858, 0.1634,
0.3590

316.2933, 0.2746,

 1.7780, 0.1188,

0.3385

375.3558, 0.2766,
0.3380

0.3644

0.4734, 0.0000,
0.3574

0.0000, 0.0000,
0.0000

64.5986, 0.2487,
0.3443

64.5986, 0.2487,
0.3443

63.2941, 0.2420,
0.3475

66.2849, 0.2573,
0.3411

62.3325, 0.2372,
0.3508


68.3732, 0.2676,
0.3381

61.6799, 0.2343,
0.3541

70.8912, 0.2793,
0.3352

61.2918, 0.2332,
0.3573


73.8620, 0.2922,
0.3326


 61.1576, 0.2331,
0.3590

 77.3072, 0.3059,
0.3301

 81.2467, 0.3202,
0.3279

 83.7573, 0.3278,
0.3258

 83.8832, 0.3264,
0.3236

 84.0105, 0.3250,
0.3215

Harmonies

Analogous

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



64.5986, 0.2867, 0.3890



64.5986, 0.2487, 0.3443



64.5986, 0.2282, 0.2986

Triad

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



64.5986, 0.2487, 0.3443



64.5986, 0.2864, 0.2578



64.5986, 0.4039, 0.3843

Complementary

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



64.5986, 0.2487, 0.3443



27.9795, 0.4604, 0.3163

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.



64.5986, 0.4054, 0.3480



64.5986, 0.2487, 0.3443



64.5986, 0.3344, 0.2783

Square

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



64.5986, 0.2487, 0.3443



64.5986, 0.2486, 0.2530



64.5986, 0.3792, 0.3103



64.5986, 0.3769, 0.4101

Rectangle

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



64.5986, 0.2487, 0.3443



64.5986, 0.2259, 0.2752



64.5986, 0.3792, 0.3103



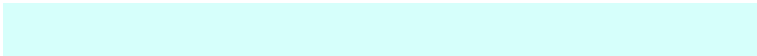
64.5986, 0.4076, 0.3729

Sweetspot

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



64.6011, 0.2487, 0.3443



92.8192, 0.2904, 0.3329



61.3475, 0.3112, 0.5014



19.6939, 0.2877, 0.3334



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.



64.6011, 0.2487, 0.3443



79.7649, 0.2411, 0.3481



41.1337, 0.2289, 0.2599



16.3116, 0.2994, 0.3312



34.6328, 0.2329, 0.3585



2.5661, 0.2316, 0.3538

Inverse Universe

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



27.9795, 0.4604, 0.3163



29.0008, 0.5119, 0.3155



41.0622, 0.4395, 0.3860



14.3901, 0.3278, 0.3268



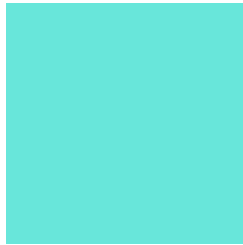
9.5646, 0.6289, 0.3238



0.7144, 0.6025, 0.3093

Previews

White Background



This preview shows how the Yxy color 64.5986, 0.2487, 0.3443 looks on a white background.

Color Contrast Check

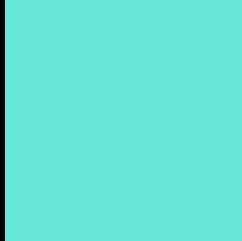
Large Text (above 18pt) WCAG AA × Fail

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 64.5986, 0.2487, 0.3443 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

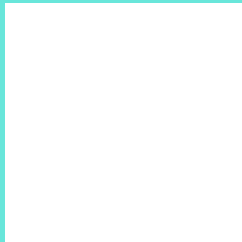
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.5986, 0.2487, 0.3443

Background



This preview shows how black text looks on a background with the Yxy color 64.5986, 0.2487, 0.3443.

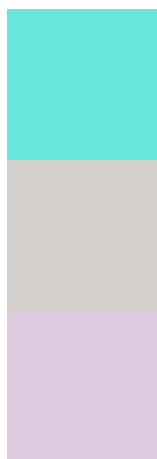


This preview shows how white text looks on a background with the Yxy color 64.5986, 0.2487, 0.3443.

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

64.5986, 0.2487, 0.3443

Protanopia

63.6657, 0.3186, 0.3324

Deuteranopia

63.6233, 0.3123, 0.3060



Tritanopia

64.5018, 0.2399, 0.3066

Trichromacy



Original Color

64.5986, 0.2487, 0.3443



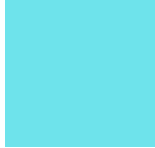
Protanomaly

62.6491, 0.2867, 0.3362



Deuteranomaly

62.4461, 0.2832, 0.3182



Tritanomaly

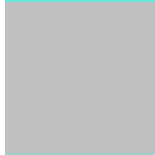
64.2513, 0.2426, 0.3188

Monochromacy



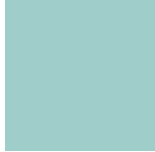
Original Color

64.5986, 0.2487, 0.3443



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.2506, 0.2822, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5986, 0.2487, 0.3443 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(104, 230, 218)` looks like.

```
.text, #text, p{  
    color:rgb(104, 230, 218)  
}
```

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(104, 230, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 230, 218) }
```

Border

The CSS property to change the border of an element to Yxy 64.5986, 0.2487, 0.3443 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(104, 230, 218) }
```

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

```
.border{ border-color:rgb(104, 230, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 230, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 230, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 230, 218); box-shadow:4px 4px 4px 4px rgb(104, 230, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5986, 0.2487, 0.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 230, 218) }
```

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

```
.background{ background-color: rgb(104,  
230, 218) }
```

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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