

Converting Colors

$Yxy(64.6887, 0.2418, 0.3399)$

Have a look what the booklet for
Yxy(64.6887, 0.2418, 0.3399)
contains.

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Color

Yxy(64.6034, 0.2416, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	59E7DF
RGB	89, 231, 223
RGB Percent	35%, 91%, 87%
CMY	0.6508, 0.0941, 0.1256
CMYK	0.61, 0.00, 0.03, 0.09
HSL	177°, 75%, 63%
HSV	177°, 61%, 91%
XYZ	46.0147, 64.6034, 79.8401
YIQ	187.6300, -82.0640, -32.5920

Conversions

Conversions Part 2

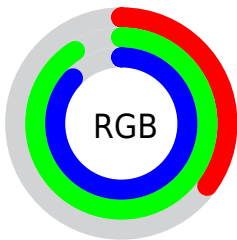
Format	Color
RYB	89, 162, 231
Decimal	5892063
CIELab	84.28, -39.63, -7.46
CIELCh	84, 40.327, 190.654
Yxy	64.6034, 0.2416, 0.3392
Android (android.graphics.Color)	4284082143 (0xFF59E7DF)
YUV	187.6300, 17.4374, -86.4985
Hunter-Lab	80.3762, -38.4688, -2.6311

Details

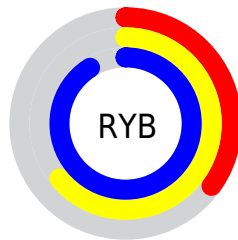
The Yxy color **64.6034, 0.2416, 0.3392** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **25.0047, 0.4973, 0.3214**, and the grayscale version is **50.0088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **33.4871, 0.2281, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **63.5661, 0.2359, 0.3411**, and if you desaturate by 10%, it is **66.0047, 0.2492, 0.3373**.

Distribution



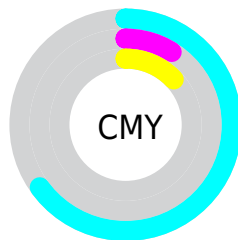
- Red (35%)
- Green (91%)
- Blue (87%)



- Red (35%)
- Yellow (64%)
- Blue (91%)



- Cyan (61%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)





- Cyan (65%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6034, 0.2416, 0.3392 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 64.6034, 0.2416, 0.3392 by changing the saturation by 10% instead.


 64.6034, 0.2416,
0.3392


 64.6034, 0.2416,
0.3392


441.3654, 0.2745,
0.3351


 47.1396, 0.2341,
0.3400


 111.4795, 0.2530,
0.3379

 33.1460, 0.2249,
0.3408


 141.6605, 0.2575,
0.3374

 22.2383, 0.2133,
0.3417


 176.8494, 0.2613,
0.3369

 14.0321, 0.1982,
0.3426

 217.4305, 0.2646,
0.3365

 8.1430, 0.1780,
0.3433

263.7883, 0.2676,
0.3361

 4.1866, 0.1498,
0.3430

316.3071, 0.2702,

 1.7785, 0.1028,

0.3357

0.3418

375.3713, 0.2725,
0.3354

0.4737, 0.0000,
0.3132

0.0000, 0.0000,
0.0000

64.6034, 0.2416,
0.3392

64.6034, 0.2416,
0.3392

63.5661, 0.2359,
0.3411

66.0047, 0.2492,
0.3373

62.8505, 0.2321,
0.3430

67.7928, 0.2587,
0.3355

62.4173, 0.2302,
0.3449


69.9974, 0.2699,
0.3338


62.2127, 0.2296,
0.3465

72.6431, 0.2824,
0.3321

 75.7528, 0.2961,
0.3306

 79.3477, 0.3106,
0.3292

 83.4475, 0.3256,
0.3279

 84.3211, 0.3277,
0.3267

 84.3962, 0.3268,
0.3254

Harmonies

Analogous

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



64.6034, 0.2798, 0.3881



64.6034, 0.2416, 0.3392



64.6034, 0.2225, 0.2918

Triad

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



64.6034, 0.2416, 0.3392



64.6034, 0.2902, 0.2558



64.6034, 0.4071, 0.3909

Complementary

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



64.6034, 0.2416, 0.3392



25.0047, 0.4973, 0.3214

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.



64.6034, 0.4122, 0.3532



64.6034, 0.2416, 0.3392



64.6034, 0.3414, 0.2789

Square

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



64.6034, 0.2416, 0.3392



64.6034, 0.2487, 0.2486



64.6034, 0.3876, 0.3134



64.6034, 0.3758, 0.4165

Rectangle

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



64.6034, 0.2416, 0.3392



64.6034, 0.2218, 0.2686



64.6034, 0.3876, 0.3134



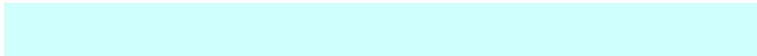
64.6034, 0.4121, 0.3791

Sweetspot

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



64.6059, 0.2416, 0.3392



92.1439, 0.2869, 0.3316



60.5002, 0.3078, 0.5250



19.4904, 0.2830, 0.3321



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.



64.6059, 0.2416, 0.3392



79.2406, 0.2346, 0.3417



36.4520, 0.2186, 0.2427



16.3216, 0.2989, 0.3303



34.8826, 0.2295, 0.3462



2.5820, 0.2287, 0.3434

Inverse Universe

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



25.0047, 0.4973, 0.3214



25.7269, 0.5575, 0.3220



39.7019, 0.4568, 0.3963



14.3811, 0.3284, 0.3277



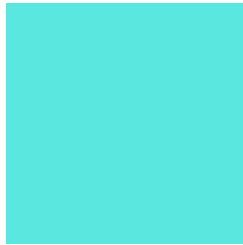
9.5463, 0.6339, 0.3266



0.7101, 0.6170, 0.3173

Previews

White Background



This preview shows how the Yxy color 64.6034, 0.2416, 0.3392 looks on a white background.

Color Contrast Check

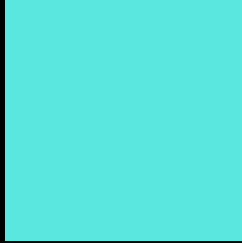
Large Text (above 18pt) WCAG AA × Fail

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 64.6034, 0.2416, 0.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

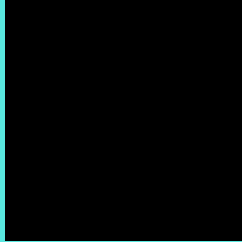
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

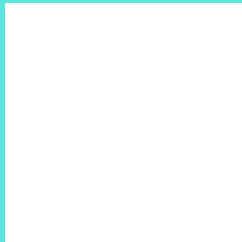
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6034, 0.2416, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 64.6034, 0.2416, 0.3392.

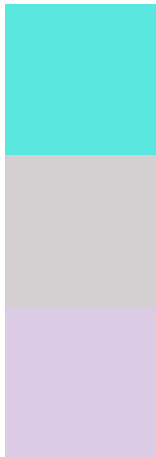


This preview shows how white text looks on a background with the Yxy color 64.6034, 0.2416, 0.3392.

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

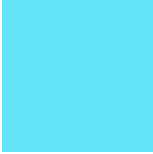
64.6034, 0.2416, 0.3392

Protanopia

63.7122, 0.3150, 0.3279

Deuteranopia

63.5847, 0.3073, 0.3005



Tritanopia

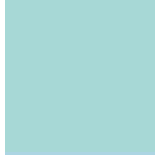
64.7933, 0.2343, 0.3065

Trichromacy



Original Color

64.6034, 0.2416, 0.3392



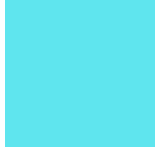
Protanomaly

62.1823, 0.2805, 0.3314



Deuteranomaly

61.9052, 0.2757, 0.3122



Tritanomaly

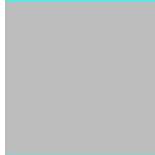
64.6446, 0.2365, 0.3174

Monochromacy



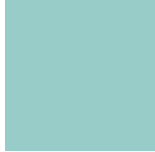
Original Color

64.6034, 0.2416, 0.3392



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

54.0782, 0.2775, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6034, 0.2416, 0.3392 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(89, 231, 223)` looks like.

```
.text, #text, p{  
    color:rgb(89, 231, 223)  
}
```

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(89, 231, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 231, 223) }
```

Border

The CSS property to change the border of an element to Yxy 64.6034, 0.2416, 0.3392 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(89, 231, 223) }
```

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

```
.border{ border-color:rgb(89, 231, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 231, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 231, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 231, 223);  
box-shadow:4px 4px 4px 4px rgb(89, 231,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6034, 0.2416, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 231, 223) }
```

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

```
.background{ background-color: rgb(89, 231,  
223) }
```

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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