

Converting Colors

$Yxy(65.6680, 0.2406, 0.3396)$

Have a look what the booklet for
Yxy(65.6680, 0.2406, 0.3396)
contains.

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Color

Yxy(65.6925, 0.2404, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	56E9E1
RGB	86, 233, 225
RGB Percent	34%, 91%, 88%
CMY	0.6625, 0.0863, 0.1176
CMYK	0.63, 0.00, 0.03, 0.09
HSL	177°, 77%, 63%
HSV	177°, 63%, 91%
XYZ	46.5717, 65.6925, 81.4618
YIQ	188.1350, -85.0440, -33.6520

Conversions

Conversions Part 2

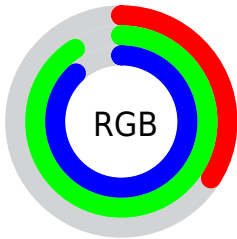
Format	Color
RYB	86, 162, 233
Decimal	5695969
CIELab	84.84, -40.47, -7.70
CIElCh	85, 41.196, 190.776
Yxy	65.6925, 0.2404, 0.3391
Android (android.graphics.Color)	4283886049 (0xFF56E9E1)
YUV	188.1350, 18.1744, -89.5724
Hunter-Lab	81.0509, -39.2732, -2.8549

Details

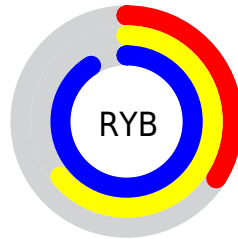
The Yxy color **65.6925, 0.2404, 0.3391** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **24.7990, 0.5053, 0.3217**, and the grayscale version is **50.3124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **34.3466, 0.2280, 0.3408** is the 20% darker color. If you saturate the color by 10%, you get **64.6936, 0.2350, 0.3409**, and if you desaturate by 10%, it is **67.0574, 0.2478, 0.3373**.

Distribution



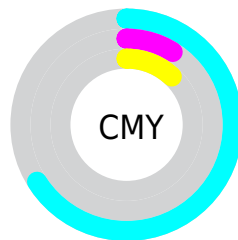
- Red (34%)
- Green (91%)
- Blue (88%)



- Red (34%)
- Yellow (64%)
- Blue (91%)



- Cyan (63%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)




- Cyan (66%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6925, 0.2404, 0.3391 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 65.6925, 0.2404, 0.3391 by changing the saturation by 10% instead.

 65.6925, 0.2404,
0.3391


 65.6925, 0.2404,
0.3391

445.2764, 0.2738,
0.3351

 48.0228, 0.2328,
0.3398


 113.0449, 0.2519,
0.3379


 33.8450, 0.2235,
0.3406


 143.4964, 0.2564,
0.3373

 22.7745, 0.2119,
0.3415


 178.9772, 0.2603,
0.3369

 14.4271, 0.1968,
0.3423

 219.8719, 0.2637,
0.3364

 8.4183, 0.1766,
0.3428

266.5648, 0.2667,
0.3361

 4.3638, 0.1486,
0.3424

319.4402, 0.2693,

 1.8791, 0.1038,

0.3357

0.3402

378.8826, 0.2717,
0.3354

■ 0.5357, 0.0000,
0.3215

■ 0.0000, 0.0000,
0.0000

■ 65.6925, 0.2404,
0.3391

■ 65.6925, 0.2404,
0.3391

■ 64.6936, 0.2350,
0.3409

■ 67.0574, 0.2478,
0.3373

■ 64.0165, 0.2315,
0.3428


■ 68.8123, 0.2570,
0.3355

■ 63.6197, 0.2298,
0.3446


■ 70.9879, 0.2679,
0.3338

■ 63.4613, 0.2294,
0.3458


■ 73.6098, 0.2802,
0.3323

 76.7015, 0.2938,
0.3308

 80.2850, 0.3082,
0.3294

 84.3807, 0.3232,
0.3282

 85.5434, 0.3264,
0.3269

 85.6170, 0.3255,
0.3257

Harmonies

Analogous

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



65.6925, 0.2791, 0.3890



65.6925, 0.2404, 0.3391



65.6925, 0.2212, 0.2910

Triad

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



65.6925, 0.2404, 0.3391



65.6925, 0.2900, 0.2548



65.6925, 0.4085, 0.3919

Complementary

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



65.6925, 0.2404, 0.3391



24.7990, 0.5053, 0.3217

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.



65.6925, 0.4138, 0.3536



65.6925, 0.2404, 0.3391



65.6925, 0.3421, 0.2783

Square

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



65.6925, 0.2404, 0.3391



65.6925, 0.2479, 0.2474



65.6925, 0.3889, 0.3133



65.6925, 0.3765, 0.4180

Rectangle

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



65.6925, 0.2404, 0.3391



65.6925, 0.2206, 0.2675



65.6925, 0.3889, 0.3133



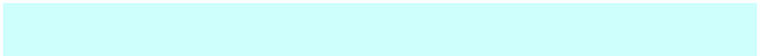
65.6925, 0.4136, 0.3799

Sweetspot

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



65.6950, 0.2404, 0.3391



91.7721, 0.2855, 0.3316



61.4292, 0.3075, 0.5302



19.4185, 0.2817, 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.



65.6950, 0.2404, 0.3391



79.0779, 0.2336, 0.3415



36.3630, 0.2164, 0.2400



17.1069, 0.2989, 0.3303



36.0160, 0.2293, 0.3455



2.8325, 0.2286, 0.3430

Inverse Universe

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



24.7990, 0.5053, 0.3217



25.0834, 0.5668, 0.3225



39.7254, 0.4618, 0.3975



15.0673, 0.3284, 0.3278



9.8514, 0.6342, 0.3267



0.7783, 0.6188, 0.3182

Previews

White Background



This preview shows how the Yxy color 65.6925, 0.2404, 0.3391 looks on a white background.

Color Contrast Check

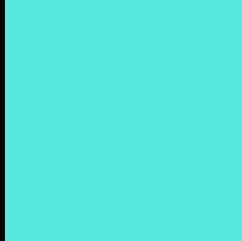
Large Text (above 18pt) WCAG AA × Fail

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 65.6925, 0.2404, 0.3391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

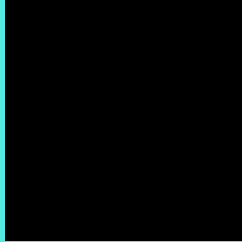
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.6925, 0.2404, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 65.6925, 0.2404, 0.3391.

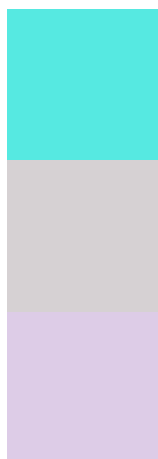


This preview shows how white text looks on a background with the Yxy color 65.6925, 0.2404, 0.3391.

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

65.6925, 0.2404, 0.3391

Protanopia

64.6002, 0.3151, 0.3268

Deuteranopia

64.3274, 0.3066, 0.2996



Tritanopia

65.9123, 0.2334, 0.3066

Trichromacy



Original Color

65.6925, 0.2404, 0.3391



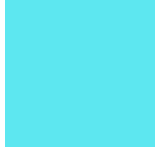
Protanomaly

63.3162, 0.2795, 0.3313



Deuteranomaly

63.0287, 0.2747, 0.3122



Tritanomaly

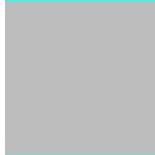
65.7703, 0.2357, 0.3175

Monochromacy



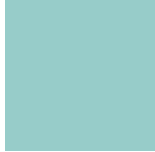
Original Color

65.6925, 0.2404, 0.3391



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.9821, 0.2768, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6925, 0.2404, 0.3391 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(86, 233, 225)` looks like.

```
.text, #text, p{  
    color:rgb(86, 233, 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(86, 233, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 233, 225) }
```

Border

The CSS property to change the border of an element to Yxy 65.6925, 0.2404, 0.3391 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(86, 233, 225) }
```

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

```
.border{ border-color:rgb(86, 233, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 233, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 233, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 233, 225);  
box-shadow:4px 4px 4px 4px rgb(86, 233,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6925, 0.2404, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 233, 225) }
```

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

```
.background{ background-color: rgb(86, 233,  
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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