

Converting Colors

$Y_{xy}(66.6361, 0.2205, 0.3030)$

Have a look what the booklet for
Yxy(66.6361, 0.2205, 0.3030)
contains.

Yxy(66.5792, 0.2204, 0.3027)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.5792, 0.2204, 0.3027)

Conversions

Conversions Part 1

Format	Color
Hex	2BEAFF
RGB	43, 234, 255
RGB Percent	17%, 92%, 100%
CMY	0.8301, 0.0824, 0.0000
CMYK	0.83, 0.08, 0.00, 0.00
HSL	186°, 100%, 58%
HSV	186°, 83%, 100%
XYZ	48.4772, 66.5792, 104.8947
YIQ	179.2850, -120.5770, -33.9610

Conversions

Conversions Part 2

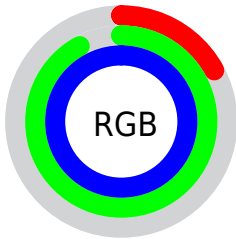
Format	Color
RYB	43, 143, 255
Decimal	2878207
CIELab	85.29, -37.11, -22.89
CIELCh	85, 43.602, 211.663
Yxy	66.5792, 0.2204, 0.3027
Android (android.graphics.Color)	4281068287 (0xFF2BEAFF)
YUV	179.2850, 37.3275, -119.5219
Hunter-Lab	81.5961, -36.7441, -19.1022

Details

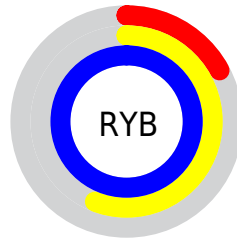
The Yxy color **66.5792, 0.2204, 0.3027** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.1387, 0.5919, 0.3418**, and the grayscale version is **45.1364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **35.9180, 0.2158, 0.2968** is the 20% darker color. If you saturate the color by 10%, you get **64.7578, 0.2172, 0.2993**, and if you desaturate by 10%, it is **68.7705, 0.2254, 0.3062**.

Distribution



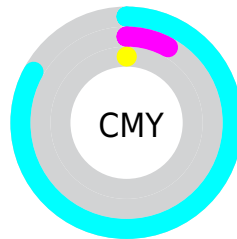
- Red (17%)
- Green (92%)
- Blue (100%)



- Red (17%)
- Yellow (56%)
- Blue (100%)



- Cyan (83%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (83%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5792, 0.2204, 0.3027 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 66.5792, 0.2204, 0.3027 by changing the saturation by 10% instead.


 66.5792, 0.2204,
0.3027


 66.5792, 0.2204,
0.3027


448.4455, 0.2620,
0.3165

 48.7427, 0.2113,
0.2992


 114.3172, 0.2346,
0.3078


 34.4154, 0.2002,
0.2947


 144.9876, 0.2402,
0.3097

 23.2129, 0.1865,
0.2887


 180.7047, 0.2450,
0.3113

 14.7508, 0.1693,
0.2806

 221.8530, 0.2493,
0.3126

 8.6447, 0.1472,
0.2688

268.8168, 0.2530,
0.3138

 4.5102, 0.1183,
0.2510

321.9806, 0.2563,

 1.9628, 0.0795,

0.3148

0.2220

381.7286, 0.2593,
0.3157

■ 0.5857, 0.0000,
0.1690

■ 0.0000, 0.0000,
0.0000

■ 66.5792, 0.2204,
0.3027

■ 66.5792, 0.2204,
0.3027

■ 64.7578, 0.2172,
0.2993

■ 68.7705, 0.2254,
0.3062

■ 63.6431, 0.2158,
0.2969

■ 71.3798, 0.2324,
0.3097

■ 74.4555, 0.2414,
0.3131

■ 78.0370, 0.2521,
0.3165

82.1596, 0.2644,
0.3197

86.8553, 0.2781,
0.3228

92.1535, 0.2927,
0.3256

98.0815, 0.3080,
0.3283

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



66.5792, 0.2471, 0.3564



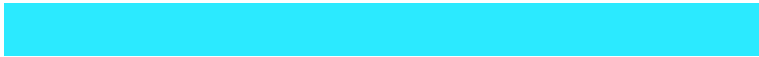
66.5792, 0.2204, 0.3027



66.5792, 0.2164, 0.2633

Triad

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



66.5792, 0.2204, 0.3027



66.5792, 0.3266, 0.2669



66.5792, 0.3922, 0.4163

Complementary

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



66.5792, 0.2204, 0.3027



25.1387, 0.5919, 0.3418

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.



66.5792, 0.4186, 0.3832



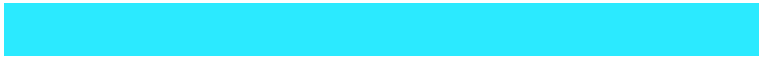
66.5792, 0.2204, 0.3027



66.5792, 0.3797, 0.3003

Square

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



66.5792, 0.2204, 0.3027



66.5792, 0.2736, 0.2470



66.5792, 0.4146, 0.3415



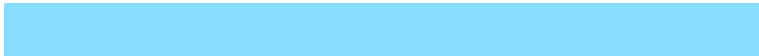
66.5792, 0.3455, 0.4273

Rectangle

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



66.5792, 0.2204, 0.3027



66.5792, 0.2262, 0.2487



66.5792, 0.4146, 0.3415



66.5792, 0.4039, 0.4070

Sweetspot

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



66.5816, 0.2204, 0.3027



85.8799, 0.2753, 0.3222



72.3713, 0.2976, 0.5727



18.0232, 0.2704, 0.3211



0.0000, 0.0000, 0.0000



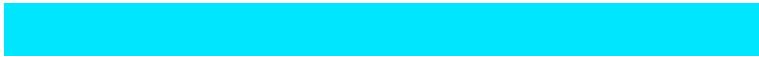
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.5816, 0.2204, 0.3027



63.6483, 0.2158, 0.2969



24.1130, 0.1826, 0.1616



20.1552, 0.2980, 0.3266



33.3832, 0.2160, 0.2975



3.3359, 0.2171, 0.3014

Inverse Universe

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



28.9500, 0.3425, 0.1740



26.9565, 0.3481, 0.1692



48.9985, 0.4895, 0.4324



18.2675, 0.3153, 0.3079



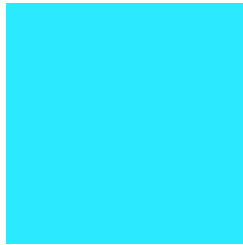
14.0980, 0.3476, 0.1689



1.3813, 0.3442, 0.1670

Previews

White Background



This preview shows how the Yxy color 66.5792, 0.2204, 0.3027 looks on a white background.

Color Contrast Check

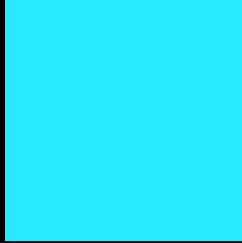
Large Text (above 18pt) WCAG AA × Fail

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 66.5792, 0.2204, 0.3027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

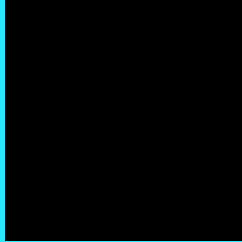
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.5792, 0.2204, 0.3027

Background



This preview shows how black text looks on a background with the Yxy color 66.5792, 0.2204, 0.3027.

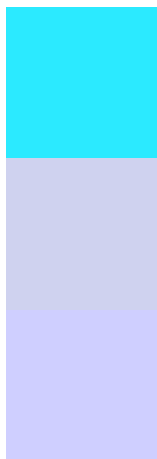


This preview shows how white text looks on a background with the Yxy color 66.5792, 0.2204, 0.3027.

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

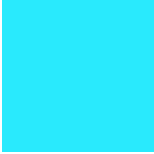
66.5792, 0.2204, 0.3027

Protanopia

65.5906, 0.2914, 0.2970

Deuteranopia

65.1110, 0.2814, 0.2772



Tritanopia

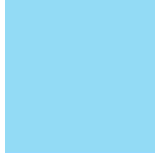
66.4089, 0.2208, 0.3051

Trichromacy



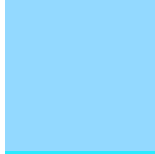
Original Color

66.5792, 0.2204, 0.3027



Protanomaly

63.4587, 0.2527, 0.2978



Deuteranomaly

63.0488, 0.2475, 0.2842



Tritanomaly

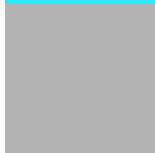
66.4936, 0.2206, 0.3039

Monochromacy



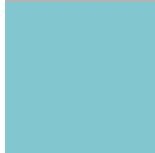
Original Color

66.5792, 0.2204, 0.3027



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

50.0977, 0.2596, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5792, 0.2204, 0.3027 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(43, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(43, 234, 255)  
}
```

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(43, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.5792, 0.2204, 0.3027 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(43, 234, 255) }
```

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

```
.border{ border-color:rgb(43, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(43, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5792, 0.2204, 0.3027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 234, 255) }
```

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

```
.background{ background-color: rgb(43, 234,  
255) }
```

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