

Converting Colors

$Yxy(68.9284, 0.2093, 0.2663)$

Have a look what the booklet for
Yxy(68.9284, 0.2093, 0.2663)
contains.

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Color

Yxy(66.4777, 0.2198, 0.3027)

Conversions

Conversions Part 1

Format	Color
Hex	26EAFF
RGB	38, 234, 255
RGB Percent	15%, 92%, 100%
CMY	0.8503, 0.0823, 0.0001
CMYK	0.85, 0.08, 0.00, 0.00
HSL	186°, 100%, 57%
HSV	186°, 85%, 100%
XYZ	48.2716, 66.4777, 104.8665
YIQ	177.7900, -123.5570, -35.0210

Conversions

Conversions Part 2

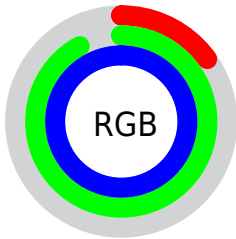
Format	Color
R_{YB}	38, 141, 255
Decimal	2550527
CIE _{Lab}	85.24, -37.46, -22.96
CIE _{LCh}	85, 43.932, 211.507
Yxy	66.4777, 0.2198, 0.3027
Android (android.graphics.Color)	4280740607 (0xFF26E AFF)
YUV	177.7900, 38.0645, -122.5958
Hunter-Lab	81.5339, -37.0046, -19.1834

Details

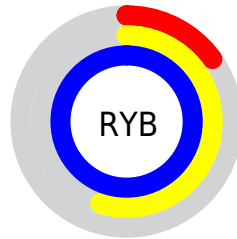
The Yxy color **66.4777, 0.2198, 0.3027** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.5360, 0.5994, 0.3408**, and the grayscale version is **44.2738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **35.9180, 0.2158, 0.2968** is the 20% darker color. If you saturate the color by 10%, you get **64.7538, 0.2170, 0.2994**, and if you desaturate by 10%, it is **68.5573, 0.2244, 0.3061**.

Distribution



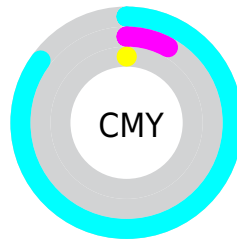
- Red (15%)
- Green (92%)
- Blue (100%)



- Red (15%)
- Yellow (55%)
- Blue (100%)



- Cyan (85%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (85%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.4777, 0.2198, 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 66.4777, 0.2198, 0.3027 by changing the saturation by 10% instead.


 66.4777, 0.2198,
0.3027


 66.4777, 0.2198,
0.3027


448.0834, 0.2617,
0.3165

 48.6603, 0.2106,
0.2992


 114.1717, 0.2341,
0.3078

 34.3501, 0.1995,
0.2947


 144.8171, 0.2397,
0.3097

 23.1627, 0.1857,
0.2887


 180.5072, 0.2446,
0.3113

 14.7137, 0.1684,
0.2805

 221.6265, 0.2488,
0.3127

 8.6187, 0.1462,
0.2687

268.5594, 0.2526,
0.3138

 4.4933, 0.1172,
0.2507

321.6902, 0.2560,

 1.9532, 0.0782,

0.3149

0.2216

381.4034, 0.2590,
0.3157

■ 0.5800, 0.0000,
0.1677

■ 0.0000, 0.0000,
0.0000

■ 66.4777, 0.2198,
0.3027

■ 66.4777, 0.2198,
0.3027

■ 64.7538, 0.2170,
0.2994

■ 68.5573, 0.2244,
0.3061

■ 63.9854, 0.2160,
0.2977

■ 71.0436, 0.2310,
0.3095

■ 73.9864, 0.2395,
0.3128

■ 77.4264, 0.2499,
0.3161

81.3994, 0.2619,
0.3193

85.9381, 0.2752,
0.3223

91.0723, 0.2897,
0.3252

96.8298, 0.3049,
0.3278

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



66.4777, 0.2468, 0.3569



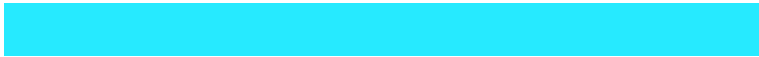
66.4777, 0.2198, 0.3027



66.4777, 0.2156, 0.2630

Triad

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



66.4777, 0.2198, 0.3027



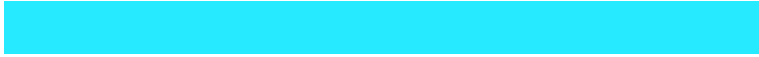
66.4777, 0.3264, 0.2663



66.4777, 0.3930, 0.4168

Complementary

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



66.4777, 0.2198, 0.3027



24.5360, 0.5994, 0.3408

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.



66.4777, 0.4194, 0.3834



66.4777, 0.2198, 0.3027



66.4777, 0.3800, 0.2999

Square

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



66.4777, 0.2198, 0.3027



66.4777, 0.2731, 0.2463



66.4777, 0.4153, 0.3413



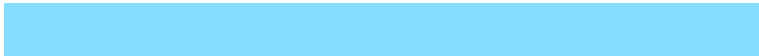
66.4777, 0.3460, 0.4281

Rectangle

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



66.4777, 0.2198, 0.3027



66.4777, 0.2255, 0.2481



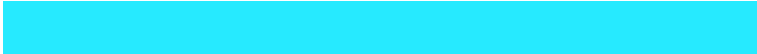
66.4777, 0.4153, 0.3413



66.4777, 0.4047, 0.4074

Sweetspot

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



66.4801, 0.2198, 0.3027



85.4979, 0.2739, 0.3220



72.2024, 0.2977, 0.5766



17.9536, 0.2691, 0.3210



0.0000, 0.0000, 0.0000



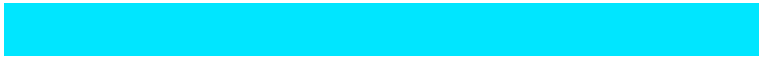
21.4041, 0.3127, 0.3290

Same Dimension

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



66.4801, 0.2198, 0.3027



64.0037, 0.2160, 0.2977



23.2017, 0.1806, 0.1573



20.1634, 0.2980, 0.3266



33.5662, 0.2162, 0.2983



3.3518, 0.2173, 0.3021

Inverse Universe

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



28.5912, 0.3426, 0.1725



26.9924, 0.3474, 0.1687



48.1727, 0.4935, 0.4325



18.2683, 0.3153, 0.3078



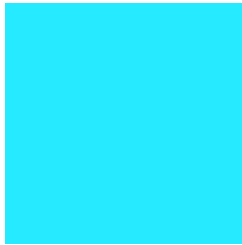
14.1165, 0.3469, 0.1685



1.3829, 0.3436, 0.1666

Previews

White Background



This preview shows how the Yxy color 66.4777, 0.2198, 0.3027 looks on a white background.

Color Contrast Check

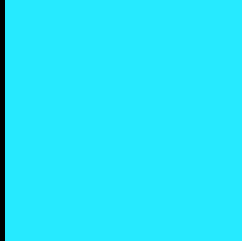
Large Text (above 18pt) WCAG AA × Fail

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 66.4777, 0.2198, 0.3027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

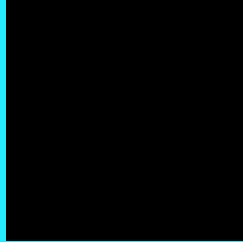
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.4777, 0.2198, 0.3027

Background



This preview shows how black text looks on a background with the Yxy color 66.4777, 0.2198, 0.3027.

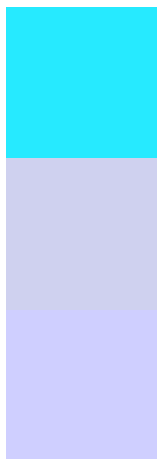


This preview shows how white text looks on a background with the Yxy color 66.4777, 0.2198, 0.3027.

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

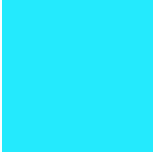
66.4777, 0.2198, 0.3027

Protanopia

65.0983, 0.2913, 0.2958

Deuteranopia

65.1110, 0.2814, 0.2772



Tritanopia

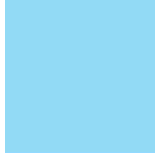
66.3126, 0.2202, 0.3050

Trichromacy



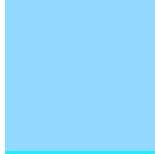
Original Color

66.4777, 0.2198, 0.3027



Protanomaly

62.8464, 0.2520, 0.2965



Deuteranomaly

62.9567, 0.2470, 0.2842



Tritanomaly

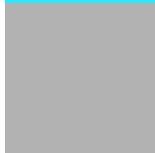
66.3947, 0.2200, 0.3038

Monochromacy



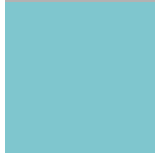
Original Color

66.4777, 0.2198, 0.3027



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

49.3564, 0.2582, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.4777, 0.2198, 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(38, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(38, 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(38, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.4777, 0.2198, 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(38, 234, 255) }
```

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

```
.border{ border-color:rgb(38, 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(38, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(38, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.4777, 0.2198, 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(38, 234, 255) }
```

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

```
.background{ background-color: rgb(38, 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](#).

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