

Converting Colors

$Yxy(66.4551, 0.2315, 0.3072)$

Have a look what the booklet for
Yxy(66.4551, 0.2315, 0.3072)
contains.

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Color

Yxy(66.2155, 0.2315, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	5BE7F9
RGB	91, 231, 249
RGB Percent	36%, 91%, 98%
CMY	0.6426, 0.0941, 0.0236
CMYK	0.63, 0.07, 0.00, 0.02
HSL	187°, 93%, 67%
HSV	187°, 63%, 98%
XYZ	49.9964, 66.2155, 99.7552
YIQ	191.1920, -89.2180, -24.0820

Conversions

Conversions Part 2

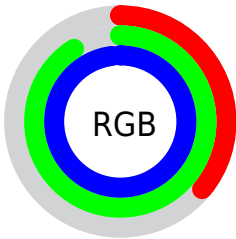
Format	Color
R_{YB}	91, 165, 249
Decimal	6023161
CIE _{Lab}	85.11, -32.19, -19.93
CIE _{LCh}	85, 37.854, 211.762
Yxy	66.2155, 0.2315, 0.3066
Android (android.graphics.Color)	4284213241 (0xFF5BE7F9)
YUV	191.1920, 28.4993, -87.8684
Hunter-Lab	81.3729, -32.7303, -15.7227

Details

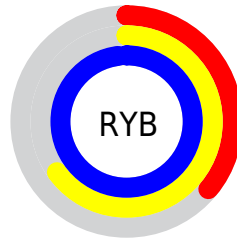
The Yxy color **66.2155, 0.2315, 0.3066** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **31.8590, 0.5052, 0.3466**, and the grayscale version is **52.1088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **34.5102, 0.2165, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **63.5777, 0.2244, 0.3026**, and if you desaturate by 10%, it is **69.3037, 0.2406, 0.3106**.

Distribution



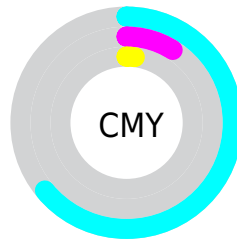
- Red (36%)
- Green (91%)
- Blue (98%)



- Red (36%)
- Yellow (65%)
- Blue (98%)



- Cyan (63%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)





- Cyan (64%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2155, 0.2315, 0.3066 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 66.2155, 0.2315, 0.3066 by changing the saturation by 10% instead.


 66.2155, 0.2315,
0.3066


 66.2155, 0.2315,
0.3066


447.1472, 0.2684,
0.3183


 48.4474, 0.2233,
0.3036


 113.7956, 0.2441,
0.3109


 34.1813, 0.2133,
0.2998


 144.3763, 0.2491,
0.3125

 23.0329, 0.2009,
0.2948


 179.9967, 0.2534,
0.3138

 14.6178, 0.1851,
0.2879

 221.0411, 0.2572,
0.3150

 8.5516, 0.1644,
0.2779

267.8940, 0.2605,
0.3160

 4.4499, 0.1367,
0.2624

320.9397, 0.2634,

 1.9283, 0.0986,

0.3168

0.2366

380.5626, 0.2661,
0.3176

■ 0.5653, 0.0000,
0.1887

■ 0.0000, 0.0000,
0.0000

■ 66.2155, 0.2315,
0.3066

■ 66.2155, 0.2315,
0.3066

■ 63.5777, 0.2244,
0.3026

■ 69.3037, 0.2406,
0.3106

■ 61.3395, 0.2192,
0.2986

■ 72.8726, 0.2514,
0.3145

■ 59.4506, 0.2159,
0.2946

■ 76.9579, 0.2638,
0.3182

■ 58.3439, 0.2145,
0.2920

■ 81.5899, 0.2775,
0.3217

86.7967, 0.2921,
0.3250

92.6039, 0.3074,
0.3280

97.0050, 0.3164,
0.3308

98.7901, 0.3163,
0.3335

99.6186, 0.3162,
0.3347

Harmonies

Analogous

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



66.2155, 0.2553, 0.3528



66.2155, 0.2315, 0.3066



66.2155, 0.2278, 0.2718

Triad

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



66.2155, 0.2315, 0.3066



66.2155, 0.3252, 0.2743



66.2155, 0.3824, 0.4056

Complementary

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



66.2155, 0.2315, 0.3066



31.8590, 0.5052, 0.3466

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.



66.2155, 0.4050, 0.3776



66.2155, 0.2315, 0.3066



66.2155, 0.3712, 0.3042

Square

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



66.2155, 0.2315, 0.3066



66.2155, 0.2789, 0.2566



66.2155, 0.4012, 0.3409



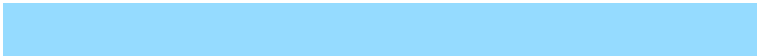
66.2155, 0.3418, 0.4139

Rectangle

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



66.2155, 0.2315, 0.3066



66.2155, 0.2367, 0.2585



66.2155, 0.4012, 0.3409



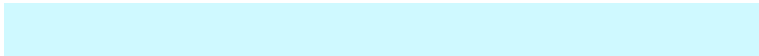
66.2155, 0.3925, 0.3979

Sweetspot

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



66.2180, 0.2315, 0.3066



88.4677, 0.2838, 0.3232



71.0332, 0.2975, 0.5173



18.6066, 0.2796, 0.3222



0.0000, 0.0000, 0.0000



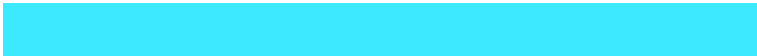
21.4041, 0.3127, 0.3290

Same Dimension

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



66.2180, 0.2315, 0.3066



66.4458, 0.2228, 0.3015



32.2717, 0.2072, 0.2025



19.2508, 0.2980, 0.3262



31.3690, 0.2146, 0.2926



2.9984, 0.2159, 0.2974

Inverse Universe

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



33.4114, 0.3373, 0.1969



30.4970, 0.3430, 0.1815



55.9473, 0.4428, 0.4236



17.4885, 0.3156, 0.3082



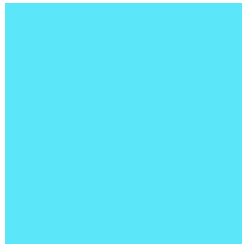
13.5776, 0.3520, 0.1713



1.2669, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 66.2155, 0.2315, 0.3066 looks on a white background.

Color Contrast Check

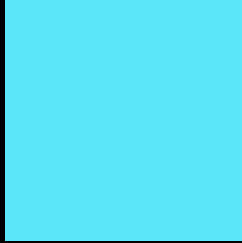
Large Text (above 18pt) WCAG AA × Fail

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 66.2155, 0.2315, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

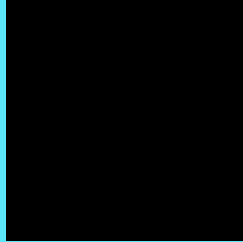
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2155, 0.2315, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 66.2155, 0.2315, 0.3066.



This preview shows how white text looks on a background with the Yxy color 66.2155, 0.2315, 0.3066.

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

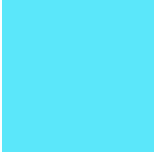
66.2155, 0.2315, 0.3066

Protanopia

65.0090, 0.2946, 0.3001

Deuteranopia

65.0000, 0.2839, 0.2774



Tritanopia

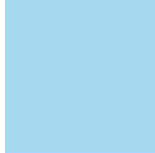
66.2781, 0.2311, 0.3054

Trichromacy



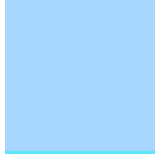
Original Color

66.2155, 0.2315, 0.3066



Protanomaly

64.0240, 0.2653, 0.3018



Deuteranomaly

63.8446, 0.2592, 0.2863



Tritanomaly

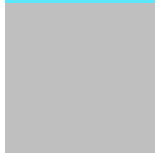
66.2781, 0.2311, 0.3054

Monochromacy



Original Color

66.2155, 0.2315, 0.3066



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.8646, 0.2730, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2155, 0.2315, 0.3066 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(91, 231, 249)` looks like.

```
.text, #text, p{  
    color:rgb(91, 231, 249)  
}
```

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(91, 231, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 231, 249) }
```

Border

The CSS property to change the border of an element to Yxy 66.2155, 0.2315, 0.3066 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(91, 231, 249) }
```

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

```
.border{ border-color:rgb(91, 231, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 231, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 231, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 231, 249);  
box-shadow:4px 4px 4px 4px rgb(91, 231,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2155, 0.2315, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 231, 249) }
```

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

```
.background{ background-color: rgb(91, 231,  
249) }
```

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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