

Converting Colors

$Yxy(81.8695, 0.1914, 0.1828)$

Have a look what the booklet for
Yxy(81.8695, 0.1914, 0.1828)
contains.

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Color

Yxy(68.6623, 0.2321, 0.3035)

Conversions

Conversions Part 1

Format	Color
Hex	62EAFF
RGB	98, 234, 255
RGB Percent	38%, 92%, 100%
CMY	0.6155, 0.0823, 0.0001
CMYK	0.62, 0.08, 0.00, 0.00
HSL	188°, 100%, 69%
HSV	188°, 62%, 100%
XYZ	52.5091, 68.6623, 105.0635
YIQ	195.7300, -87.7970, -22.3010

Conversions

Conversions Part 2

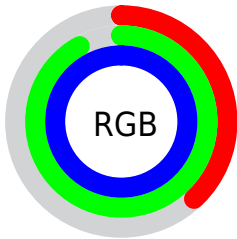
Format	Color
RYB	98, 171, 255
Decimal	6482687
CIELab	86.34, -30.84, -21.19
CIELCh	86, 37.416, 214.497
Yxy	68.6623, 0.2321, 0.3035
Android (android.graphics.Color)	4284672767 (0xFF62E AFF)
YUV	195.7300, 29.2201, -85.7092
Hunter-Lab	82.8627, -31.8964, -17.1712

Details

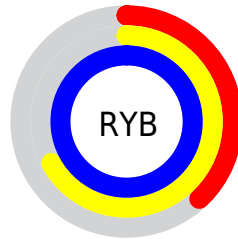
The Yxy color **68.6623, 0.2321, 0.3035** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.3349, 0.4948, 0.3494**, and the grayscale version is **54.9019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **35.9180, 0.2158, 0.2968** is the 20% darker color. If you saturate the color by 10%, you get **65.5433, 0.2243, 0.2987**, and if you desaturate by 10%, it is **72.2753, 0.2418, 0.3082**.

Distribution



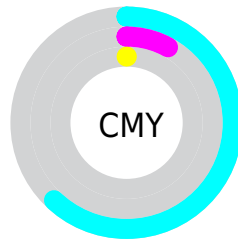
- Red (38%)
- Green (92%)
- Blue (100%)



- Red (38%)
- Yellow (67%)
- Blue (100%)



- Cyan (62%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (62%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6623, 0.2321, 0.3035 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 68.6623, 0.2321, 0.3035 by changing the saturation by 10% instead.


 68.6623, 0.2321,
0.3035

 68.6623, 0.2321,
0.3035


455.8390, 0.2685,
0.3165


 50.4367, 0.2241,
0.3003


 117.2991, 0.2445,
0.3082

 35.7605, 0.2143,
0.2962


 148.4791, 0.2494,
0.3100

 24.2493, 0.2022,
0.2908


 184.7461, 0.2536,
0.3115

 15.5187, 0.1869,
0.2835

226.4844, 0.2574,
0.3128

 9.1842, 0.1670,
0.2731

274.0785, 0.2606,
0.3139

 4.8615, 0.1404,
0.2574

327.9127, 0.2635,

 2.1662, 0.1041,

0.3149

0.2320

388.3714, 0.2661,
0.3157

0.7015, 0.0000,
0.1950

0.0000, 0.0000,
0.0000

68.6623, 0.2321,
0.3035

68.6623, 0.2321,
0.3035

65.5433, 0.2243,
0.2987

72.2753, 0.2418,
0.3082

62.8658, 0.2186,
0.2940


76.4135, 0.2531,
0.3127

60.5786, 0.2147,
0.2892

81.1144, 0.2660,
0.3171

58.8791, 0.2126,
0.2853

86.4096, 0.2800,
0.3212

 92.3283, 0.2949,
0.3250

 98.8977, 0.3103,
0.3285

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



68.6623, 0.2538, 0.3480



68.6623, 0.2321, 0.3035



68.6623, 0.2303, 0.2709

Triad

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



68.6623, 0.2321, 0.3035



68.6623, 0.3293, 0.2777



68.6623, 0.3779, 0.4056

Complementary

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



68.6623, 0.2321, 0.3035



35.3349, 0.4948, 0.3494

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.



68.6623, 0.4018, 0.3796



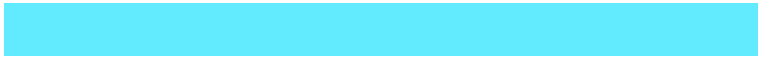
68.6623, 0.2321, 0.3035



68.6623, 0.3733, 0.3079

Square

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



68.6623, 0.2321, 0.3035



68.6623, 0.2835, 0.2591



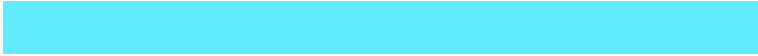
68.6623, 0.4006, 0.3441



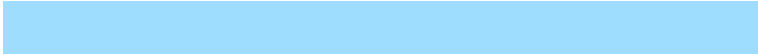
68.6623, 0.3372, 0.4112

Rectangle

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



68.6623, 0.2321, 0.3035



68.6623, 0.2402, 0.2590



68.6623, 0.4006, 0.3441



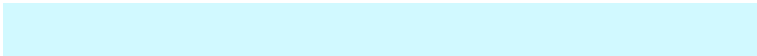
68.6623, 0.3882, 0.3986

Sweetspot

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



68.6649, 0.2321, 0.3035



88.4595, 0.2852, 0.3226



75.4296, 0.2957, 0.5055



18.5768, 0.2809, 0.3214



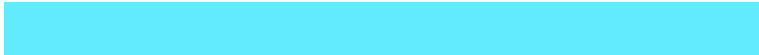
0.0000, 0.0000, 0.0000



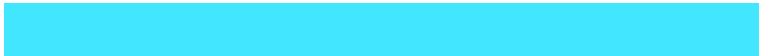
21.4041, 0.3127, 0.3290

Same Dimension

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



68.6649, 0.2321, 0.3035



64.8652, 0.2227, 0.2976



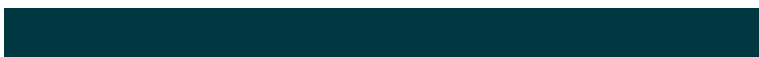
33.4573, 0.2083, 0.1997



20.0430, 0.2980, 0.3257



30.9356, 0.2128, 0.2861



3.1219, 0.2143, 0.2914

Inverse Universe

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



35.9402, 0.3396, 0.2019



30.8929, 0.3462, 0.1861



62.2658, 0.4349, 0.4265



18.2562, 0.3159, 0.3087



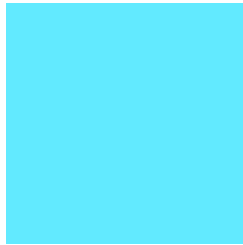
13.8509, 0.3579, 0.1745



1.3597, 0.3530, 0.1719

Previews

White Background



This preview shows how the Yxy color 68.6623, 0.2321, 0.3035 looks on a white background.

Color Contrast Check

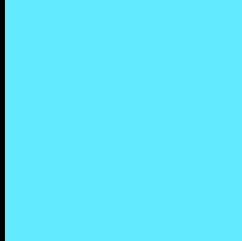
Large Text (above 18pt) WCAG AA × Fail

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 68.6623, 0.2321, 0.3035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

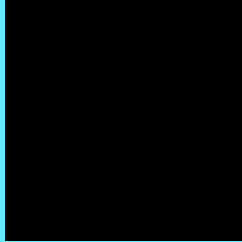
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6623, 0.2321, 0.3035

Background



This preview shows how black text looks on a background with the Yxy color 68.6623, 0.2321, 0.3035.



This preview shows how white text looks on a background with the Yxy color 68.6623, 0.2321, 0.3035.

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

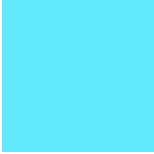
68.6623, 0.2321, 0.3035

Protanopia

67.6410, 0.2923, 0.2984

Deuteranopia

67.4593, 0.2856, 0.2811



Tritanopia

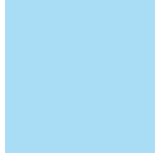
68.4789, 0.2325, 0.3058

Trichromacy



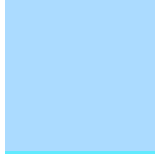
Original Color

68.6623, 0.2321, 0.3035



Protanomaly

66.8017, 0.2643, 0.3000



Deuteranomaly

66.5410, 0.2605, 0.2881



Tritanomaly

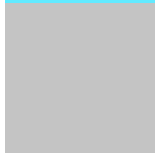
68.5428, 0.2322, 0.3046

Monochromacy



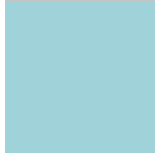
Original Color

68.6623, 0.2321, 0.3035



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.5765, 0.2737, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6623, 0.2321, 0.3035 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(98, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(98, 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(98, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.6623, 0.2321, 0.3035 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(98, 234, 255) }
```

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

```
.border{ border-color:rgb(98, 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(98, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6623, 0.2321, 0.3035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 234, 255) }
```

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

```
.background{ background-color: rgb(98, 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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