

Converting Colors

$Y_{xy}(69.5020, 0.2249, 0.3081)$

Have a look what the booklet for
Yxy(69.5020, 0.2249, 0.3081)
contains.

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Color

Yxy(69.4258, 0.2248, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	3FEEFF
RGB	63, 238, 255
RGB Percent	25%, 93%, 100%
CMY	0.7528, 0.0666, 0.0001
CMYK	0.75, 0.07, 0.00, 0.00
HSL	185°, 100%, 62%
HSV	185°, 75%, 100%
XYZ	50.6718, 69.4258, 105.3108
YIQ	187.6130, -109.7570, -31.8130

Conversions

Conversions Part 2

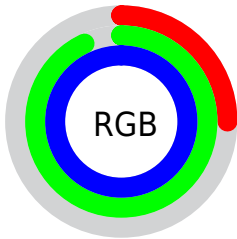
Format	Color
RYB	63, 155, 255
Decimal	4189951
CIELab	86.71, -37.31, -20.69
CIELCh	87, 42.663, 209.017
Yxy	69.4258, 0.2248, 0.3080
Android (android.graphics.Color)	4282380031 (0xFF3FEEFF)
YUV	187.6130, 33.2218, -109.2856
Hunter-Lab	83.3221, -37.2601, -16.6111

Details

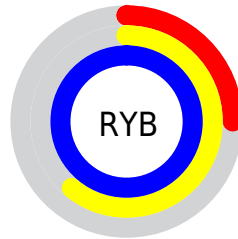
The Yxy color **69.4258, 0.2248, 0.3080** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.3526, 0.5627, 0.3420**, and the grayscale version is **49.9211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **37.5331, 0.2176, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **67.4694, 0.2203, 0.3049**, and if you desaturate by 10%, it is **71.7920, 0.2312, 0.3111**.

Distribution



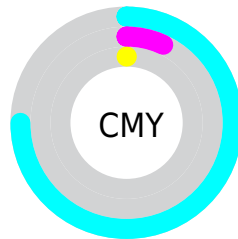
- Red (25%)
- Green (93%)
- Blue (100%)



- Red (25%)
- Yellow (61%)
- Blue (100%)



- Cyan (75%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (75%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4258, 0.2248, 0.3080 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 69.4258, 0.2248, 0.3080 by changing the saturation by 10% instead.


 69.4258, 0.2248,
0.3080

 69.4258, 0.2248,
0.3080


458.5313, 0.2643,
0.3192


 51.0586, 0.2161,
0.3051


 118.3895, 0.2382,
0.3121

 36.2552, 0.2057,
0.3015


 149.7548, 0.2435,
0.3137

 24.6314, 0.1927,
0.2966


 186.2216, 0.2481,
0.3149

 15.8026, 0.1764,
0.2899

 228.1742, 0.2522,
0.3160

 9.3846, 0.1555,
0.2801

275.9971, 0.2557,
0.3170

 4.9929, 0.1278,
0.2652

330.0747, 0.2589,

 2.2431, 0.0909,

0.3178

0.2405

390.7913, 0.2617,
0.3185

0.7433, 0.0000,
0.2030

0.0000, 0.0000,
0.0000

69.4258, 0.2248,
0.3080

69.4258, 0.2248,
0.3080

67.4694, 0.2203,
0.3049

71.7920, 0.2312,
0.3111

65.8565, 0.2177,
0.3019

74.6080, 0.2396,
0.3142

65.1749, 0.2168,
0.3005

77.9169, 0.2498,
0.3172

81.7549, 0.2617,
0.3201

■ 86.1545, 0.2749,
0.3228

■ 91.1457, 0.2893,
0.3254

■ 96.7563, 0.3045,
0.3278

■ 99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



69.4258, 0.2526, 0.3601



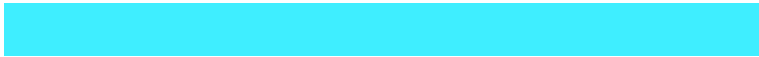
69.4258, 0.2248, 0.3080



69.4258, 0.2188, 0.2682

Triad

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



69.4258, 0.2248, 0.3080



69.4258, 0.3214, 0.2665



69.4258, 0.3928, 0.4113

Complementary

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



69.4258, 0.2248, 0.3080



27.3526, 0.5627, 0.3420

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.



69.4258, 0.4158, 0.3784



69.4258, 0.2248, 0.3080



69.4258, 0.3733, 0.2981

Square

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



69.4258, 0.2248, 0.3080



69.4258, 0.2710, 0.2486



69.4258, 0.4091, 0.3377



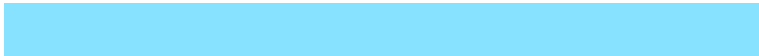
69.4258, 0.3490, 0.4239

Rectangle

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



69.4258, 0.2248, 0.3080



69.4258, 0.2272, 0.2527



69.4258, 0.4091, 0.3377



69.4258, 0.4034, 0.4019

Sweetspot

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



69.4284, 0.2248, 0.3080



87.2595, 0.2781, 0.3234



73.1241, 0.2976, 0.5548



18.3122, 0.2731, 0.3225



0.0000, 0.0000, 0.0000



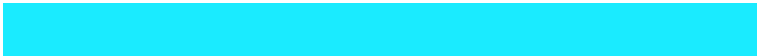
21.4041, 0.3127, 0.3290

Same Dimension

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



69.4284, 0.2248, 0.3080



66.6860, 0.2189, 0.3035



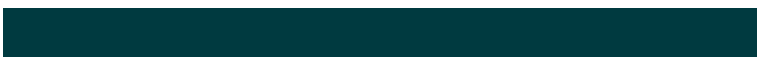
27.9255, 0.1915, 0.1787



20.1906, 0.2980, 0.3268



34.1781, 0.2170, 0.3010



3.4050, 0.2179, 0.3044

Inverse Universe

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



30.9877, 0.3374, 0.1789



27.9585, 0.3421, 0.1691



52.2742, 0.4729, 0.4302



18.2710, 0.3152, 0.3076



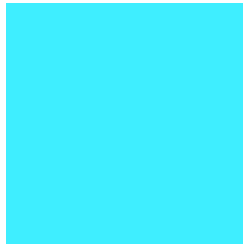
14.1783, 0.3445, 0.1672



1.3883, 0.3415, 0.1655

Previews

White Background



This preview shows how the Yxy color 69.4258, 0.2248, 0.3080 looks on a white background.

Color Contrast Check

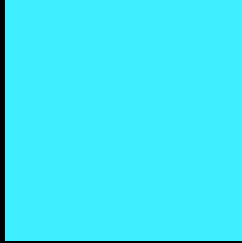
Large Text (above 18pt) WCAG AA × Fail

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 69.4258, 0.2248, 0.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

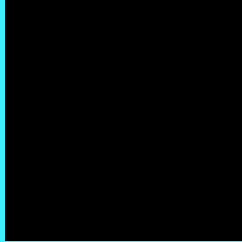
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.4258, 0.2248, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 69.4258, 0.2248, 0.3080.

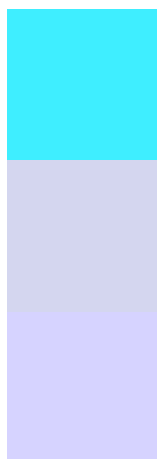


This preview shows how white text looks on a background with the Yxy color 69.4258, 0.2248, 0.3080.

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

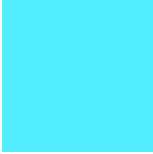
69.4258, 0.2248, 0.3080

Protanopia

68.3222, 0.2949, 0.3017

Deuteranopia

68.1047, 0.2863, 0.2822



Tritanopia

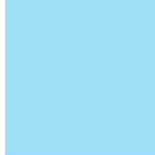
69.5822, 0.2286, 0.3069

Trichromacy



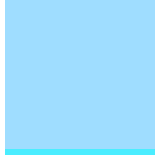
Original Color

69.4258, 0.2248, 0.3080



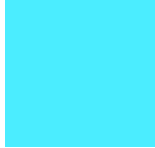
Protanomaly

66.6370, 0.2591, 0.3031



Deuteranomaly

66.3038, 0.2543, 0.2897



Tritanomaly

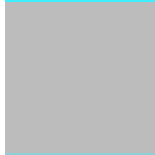
69.2842, 0.2269, 0.3068

Monochromacy



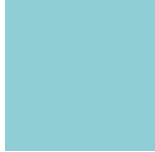
Original Color

69.4258, 0.2248, 0.3080



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

54.7357, 0.2656, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4258, 0.2248, 0.3080 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(63, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(63, 238, 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(63, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.4258, 0.2248, 0.3080 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(63, 238, 255) }
```

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

```
.border{ border-color:rgb(63, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(63, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4258, 0.2248, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 238, 255) }
```

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

```
.background{ background-color: rgb(63, 238,  
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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