

Converting Colors

Yxy(64.9878, 0.2460, 0.2942)

Have a look what the booklet for
Yxy(64.9878, 0.2460, 0.2942)
contains.

Yxy(65.2069, 0.2458, 0.2944)	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(65.2069, 0.2458, 0.2944)

Conversions

Conversions Part 1

Format	Color
Hex	8ADFFC
RGB	138, 223, 252
RGB Percent	54%, 87%, 99%
CMY	0.4589, 0.1255, 0.0116
CMYK	0.45, 0.12, 0.00, 0.01
HSL	195°, 95%, 76%
HSV	195°, 45%, 99%
XYZ	54.4424, 65.2069, 101.8415
YIQ	200.8910, -59.9690, -9.0010

Conversions

Conversions Part 2

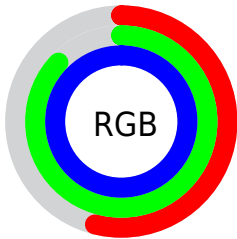
Format	Color
RYB	138, 187, 252
Decimal	9101308
CIELab	84.59, -18.33, -22.16
CIELCh	85, 28.762, 230.397
Yxy	65.2069, 0.2458, 0.2944
Android (android.graphics.Color)	4287291388 (0xFF8ADFFC)
YUV	200.8910, 25.1967, -55.1554
Hunter-Lab	80.7508, -20.9686, -18.2500

Details

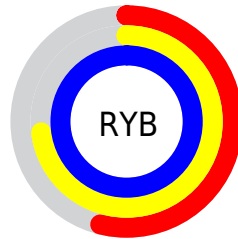
The Yxy color **65.2069, 0.2458, 0.2944** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.1843, 0.4202, 0.3600**, and the grayscale version is **58.2076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **33.6077, 0.2307, 0.2863** is the 20% darker color. If you saturate the color by 10%, you get **59.9393, 0.2335, 0.2853**, and if you desaturate by 10%, it is **71.1082, 0.2594, 0.3031**.

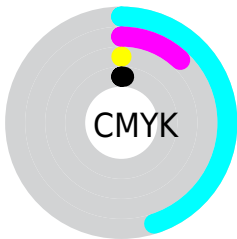
Distribution



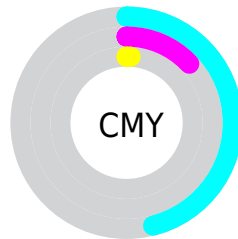
- Red (54%)
- Green (87%)
- Blue (99%)



- Red (54%)
- Yellow (73%)
- Blue (99%)



- Cyan (45%)
- Magenta (12%)
- Yellow (0%)
- Black (1%)





- Cyan (46%)
- Magenta (13%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2069, 0.2458, 0.2944 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 65.2069, 0.2458, 0.2944 by changing the saturation by 10% instead.


 65.2069, 0.2458,
0.2944

 65.2069, 0.2458,
0.2944


443.5351, 0.2765,
0.3113

 47.6289, 0.2389,
0.2904


 112.3473, 0.2564,
0.3004

 33.5331, 0.2305,
0.2853


 142.6784, 0.2605,
0.3027

 22.5351, 0.2199,
0.2788


178.0293, 0.2641,
0.3047

 14.2506, 0.2063,
0.2700

218.7845, 0.2672,
0.3063

 8.2952, 0.1883,
0.2579

265.3282, 0.2699,
0.3078

 4.2844, 0.1636,
0.2400

318.0450, 0.2724,

 1.8339, 0.1284,

0.3091

0.2116

377.3192, 0.2745,
0.3103

■ 0.5082, 0.0112,
0.1612

■ 0.0000, 0.0000,
0.0000

■ 65.2069, 0.2458,
0.2944

■ 65.2069, 0.2458,
0.2944

■ 59.9393, 0.2335,
0.2853

■ 71.1082, 0.2594,
0.3031

■ 55.2614, 0.2229,
0.2758

■ 77.6687, 0.2739,
0.3112

■ 51.1348, 0.2141,
0.2662

■ 84.9212, 0.2891,
0.3188

■ 47.5120, 0.2073,
0.2566

■ 92.8942, 0.3046,
0.3257

■ 44.3345, 0.2025,
0.2471

99.8106, 0.3144,
0.3318

■ 42.9414, 0.2007,
0.2426

Harmonies

Analogous

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



65.2069, 0.2551, 0.3254



65.2069, 0.2458, 0.2944



65.2069, 0.2529, 0.2752

Triad

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



65.2069, 0.2458, 0.2944



65.2069, 0.3451, 0.3002



65.2069, 0.3486, 0.3934

Complementary

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



65.2069, 0.2458, 0.2944



50.1843, 0.4202, 0.3600

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.



65.2069, 0.3750, 0.3817



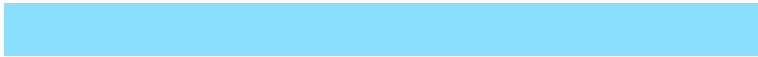
65.2069, 0.2458, 0.2944



65.2069, 0.3735, 0.3279

Square

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



65.2069, 0.2458, 0.2944



65.2069, 0.3087, 0.2797



65.2069, 0.3845, 0.3573



65.2069, 0.3134, 0.3860

Rectangle

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



65.2069, 0.2458, 0.2944



65.2069, 0.2663, 0.2704



65.2069, 0.3845, 0.3573



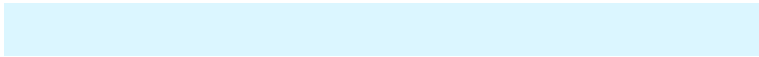
65.2069, 0.3588, 0.3914

Sweetspot

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



65.2094, 0.2458, 0.2944



88.1841, 0.2910, 0.3197



77.8181, 0.2924, 0.4356



18.5134, 0.2877, 0.3181



0.0000, 0.0000, 0.0000



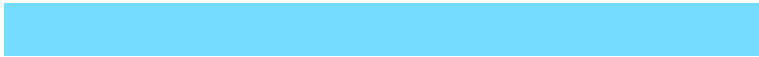
21.4041, 0.3127, 0.3290

Same Dimension

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



65.2094, 0.2458, 0.2944



62.1789, 0.2349, 0.2864



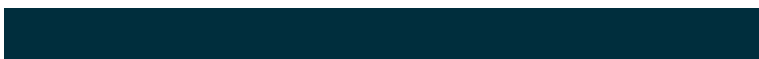
39.8889, 0.2330, 0.2225



18.8164, 0.2980, 0.3228



22.6102, 0.2012, 0.2442



2.2634, 0.2043, 0.2555

Inverse Universe

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



44.2047, 0.3441, 0.2431



39.2169, 0.3524, 0.2283



75.5936, 0.3922, 0.4159



17.4446, 0.3177, 0.3115



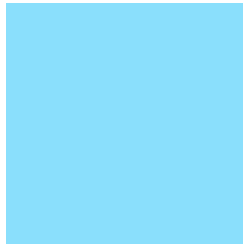
12.6934, 0.3981, 0.1966



1.1927, 0.3868, 0.1904

Previews

White Background



This preview shows how the Yxy color 65.2069, 0.2458, 0.2944 looks on a white background.

Color Contrast Check

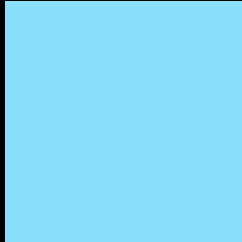
Large Text (above 18pt) WCAG AA × Fail

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 65.2069, 0.2458, 0.2944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

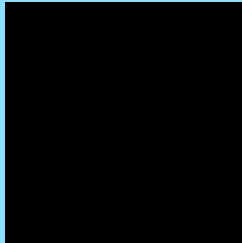
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.2069, 0.2458, 0.2944

Background



This preview shows how black text looks on a background with the Yxy color 65.2069, 0.2458, 0.2944.

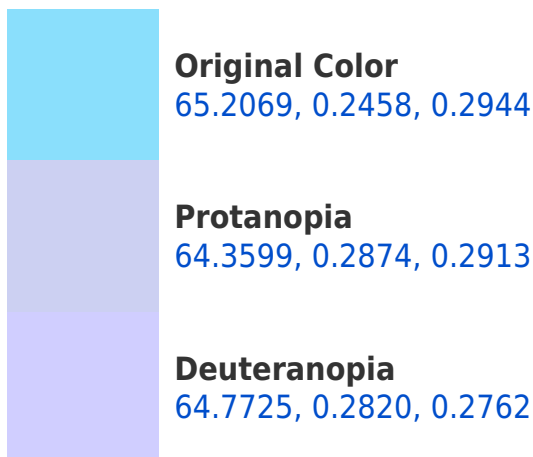


This preview shows how white text looks on a background with the Yxy color 65.2069, 0.2458, 0.2944.

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

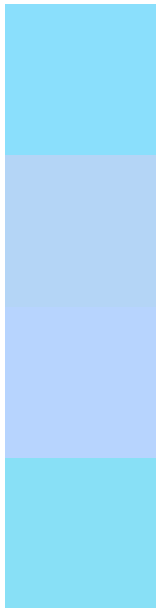




Tritanopia

65.4724, 0.2490, 0.3071

Trichromacy



Original Color

65.2069, 0.2458, 0.2944

Protanomaly

63.9456, 0.2698, 0.2912

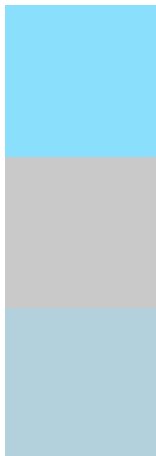
Deuteranomaly

64.3100, 0.2671, 0.2818

Tritanomaly

65.1994, 0.2479, 0.3024

Monochromacy



Original Color

65.2069, 0.2458, 0.2944

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.2332, 0.2834, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2069, 0.2458, 0.2944 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(138, 223, 252)` looks like.

```
.text, #text, p{  
    color:rgb(138, 223, 252)  
}
```

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(138, 223, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 223, 252) }
```

Border

The CSS property to change the border of an element to Yxy 65.2069, 0.2458, 0.2944 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(138, 223, 252) }
```

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

```
.border{ border-color:rgb(138, 223, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 223, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 223, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 223, 252);  
box-shadow:4px 4px 4px 4px rgb(138, 223,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2069, 0.2458, 0.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 223, 252) }
```

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

```
.background{ background-color: rgb(138,  
223, 252) }
```

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