

Converting Colors

$Yxy(64.2417, 0.2260, 0.2992)$

Have a look what the booklet for
Yxy(64.2417, 0.2260, 0.2992)
contains.

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Color

Yxy(64.1348, 0.2259, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	4EE4FC
RGB	78, 228, 252
RGB Percent	31%, 89%, 99%
CMY	0.6940, 0.1059, 0.0118
CMYK	0.69, 0.10, 0.00, 0.01
HSL	188°, 97%, 65%
HSV	188°, 69%, 99%
XYZ	48.4550, 64.1348, 101.9078
YIQ	185.8860, -97.1040, -24.3360

Conversions

Conversions Part 2

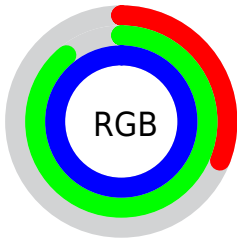
Format	Color
R _Y B	78, 159, 252
Decimal	5170428
CIE Lab	84.04, -31.76, -23.16
CIE LCh	84, 39.309, 216.097
Yxy	64.1348, 0.2259, 0.2990
Android (android.graphics.Color)	4283360508 (0xFF4EE4FC)
YUV	185.8860, 32.5942, -94.6160
Hunter-Lab	80.0842, -32.1458, -19.3881

Details

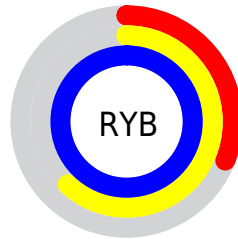
The Yxy color **64.1348, 0.2259, 0.2990** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **30.7479, 0.5274, 0.3505**, and the grayscale version is **48.8956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **33.4452, 0.2142, 0.2912** is the 20% darker color. If you saturate the color by 10%, you get **61.3762, 0.2196, 0.2941**, and if you desaturate by 10%, it is **67.3440, 0.2342, 0.3039**.

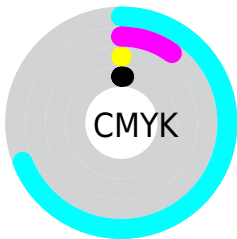
Distribution



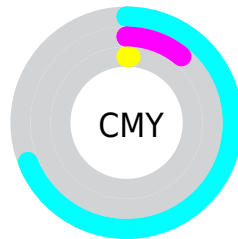
- Red (31%)
- Green (89%)
- Blue (99%)



- Red (31%)
- Yellow (62%)
- Blue (99%)



- Cyan (69%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)




- Cyan (69%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1348, 0.2259, 0.2990 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 64.1348, 0.2259, 0.2990 by changing the saturation by 10% instead.


 64.1348, 0.2259,
0.2990


 64.1348, 0.2259,
0.2990


439.6763, 0.2654,
0.3144


 46.7599, 0.2171,
0.2951


 110.8050, 0.2394,
0.3046

 32.8459, 0.2065,
0.2902


 140.8691, 0.2447,
0.3067

 22.0084, 0.1932,
0.2838


 175.9318, 0.2493,
0.3085

 13.8631, 0.1764,
0.2749

 216.3773, 0.2534,
0.3100

 8.0255, 0.1546,
0.2624

262.5901, 0.2569,
0.3114

 4.1113, 0.1256,
0.2433

314.9546, 0.2601,

 1.7360, 0.0859,

0.3125

373.8552, 0.2629,
0.3135

0.2126

0.4468, 0.0000,
0.1459

0.0000, 0.0000,
0.0000

64.1348, 0.2259,
0.2990

64.1348, 0.2259,
0.2990

61.3762, 0.2196,
0.2941

67.3440, 0.2342,
0.3039

59.0116, 0.2152,
0.2892

71.0386, 0.2444,
0.3087

56.9694, 0.2124,
0.2843

75.2577, 0.2562,
0.3134

56.7804, 0.2122,
0.2839

80.0343, 0.2694,
0.3178

■ 85.3986, 0.2837,
0.3220

■ 91.3784, 0.2987,
0.3258

■ 97.9998, 0.3142,
0.3293

■ 99.8074, 0.3145,
0.3319

Harmonies

Analogous

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



64.1348, 0.2478, 0.3467



64.1348, 0.2259, 0.2990



64.1348, 0.2252, 0.2652

Triad

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



64.1348, 0.2259, 0.2990



64.1348, 0.3331, 0.2757



64.1348, 0.3804, 0.4121

Complementary

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



64.1348, 0.2259, 0.2990



30.7479, 0.5274, 0.3505

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.



64.1348, 0.4076, 0.3846



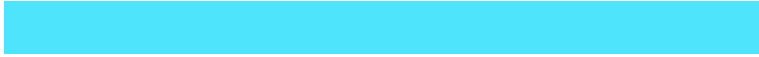
64.1348, 0.2259, 0.2990



64.1348, 0.3800, 0.3082

Square

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



64.1348, 0.2259, 0.2990



64.1348, 0.2837, 0.2551



64.1348, 0.4081, 0.3469



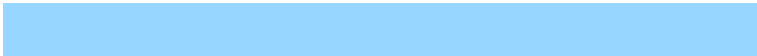
64.1348, 0.3361, 0.4172

Rectangle

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



64.1348, 0.2259, 0.2990



64.1348, 0.2364, 0.2534



64.1348, 0.4081, 0.3469



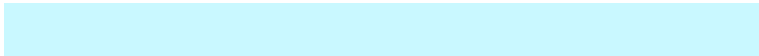
64.1348, 0.3919, 0.4048

Sweetspot

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



64.1372, 0.2259, 0.2990



86.5998, 0.2808, 0.3212



72.1767, 0.2950, 0.5281



18.2040, 0.2768, 0.3200



0.0000, 0.0000, 0.0000



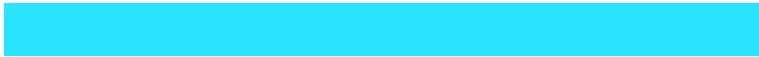
21.4041, 0.3127, 0.3290

Same Dimension

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



64.1372, 0.2259, 0.2990



62.0370, 0.2176, 0.2921



27.9385, 0.1969, 0.1812



19.1765, 0.2980, 0.3256



29.7440, 0.2124, 0.2847



2.8637, 0.2140, 0.2905

Inverse Universe

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



31.7472, 0.3444, 0.1922



28.4945, 0.3517, 0.1796



57.2957, 0.4512, 0.4342



17.4810, 0.3159, 0.3088



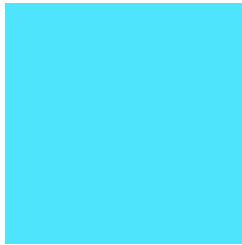
13.4136, 0.3592, 0.1752



1.2533, 0.3539, 0.1723

Previews

White Background



This preview shows how the Yxy color 64.1348, 0.2259, 0.2990 looks on a white background.

Color Contrast Check

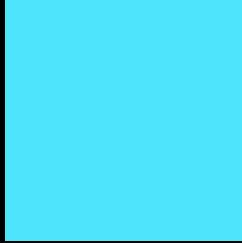
Large Text (above 18pt) WCAG AA × Fail

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 64.1348, 0.2259, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

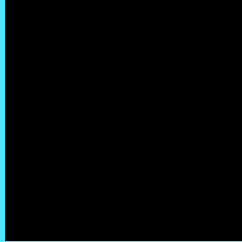
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.1348, 0.2259, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 64.1348, 0.2259, 0.2990.

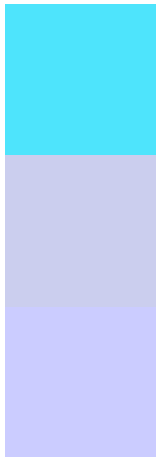


This preview shows how white text looks on a background with the Yxy color 64.1348, 0.2259, 0.2990.

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

64.1348, 0.2259, 0.2990

Protanopia

63.0122, 0.2891, 0.2932

Deuteranopia

63.1022, 0.2785, 0.2734



Tritanopia

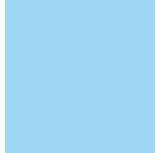
64.2499, 0.2274, 0.3062

Trichromacy



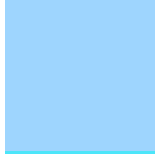
Original Color

64.1348, 0.2259, 0.2990



Protanomaly

61.8333, 0.2587, 0.2944



Deuteranomaly

62.0134, 0.2529, 0.2811



Tritanomaly

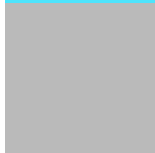
64.4147, 0.2268, 0.3038

Monochromacy



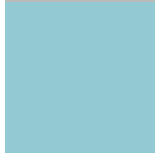
Original Color

64.1348, 0.2259, 0.2990



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

52.6295, 0.2684, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1348, 0.2259, 0.2990 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(78, 228, 252)` looks like.

```
.text, #text, p{  
    color:rgb(78, 228, 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(78, 228, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 228, 252) }
```

Border

The CSS property to change the border of an element to Yxy 64.1348, 0.2259, 0.2990 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(78, 228, 252) }
```

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

```
.border{ border-color:rgb(78, 228, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 228, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 228, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 228, 252);  
box-shadow:4px 4px 4px 4px rgb(78, 228,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1348, 0.2259, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 228, 252) }
```

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

```
.background{ background-color: rgb(78, 228,  
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](#).

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