

Converting Colors

$Y_{xy}(57.6575, 0.2393, 0.2979)$

Have a look what the booklet for
Yxy(57.6575, 0.2393, 0.2979)
contains.

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Color

Yxy(57.8436, 0.2394, 0.2984)

Conversions

Conversions Part 1

Format	Color
Hex	72D6EE
RGB	114, 214, 238
RGB Percent	45%, 84%, 93%
CMY	0.5533, 0.1607, 0.0667
CMYK	0.52, 0.10, 0.00, 0.07
HSL	192°, 78%, 69%
HSV	192°, 52%, 93%
XYZ	46.4067, 57.8436, 89.5955
YIQ	186.8360, -67.3040, -13.7360

Conversions

Conversions Part 2

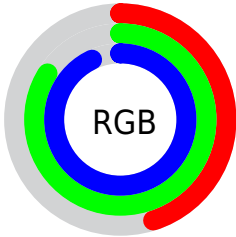
Format	Color
RYB	114, 169, 238
Decimal	7526126
CIELab	80.65, -22.89, -20.77
CIELCh	81, 30.908, 222.232
Yxy	57.8436, 0.2394, 0.2984
Android (android.graphics.Color)	4285716206 (0xFF72D6EE)
YUV	186.8360, 25.2239, -63.8772
Hunter-Lab	76.0550, -24.1803, -16.6073

Details

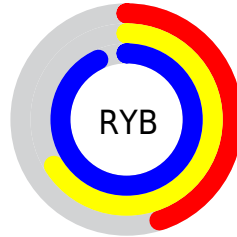
The Yxy color **57.8436, 0.2394, 0.2984** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.5264, 0.4488, 0.3556**, and the grayscale version is **49.4683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **28.8266, 0.2220, 0.2895** is the 20% darker color. If you saturate the color by 10%, you get **54.1595, 0.2291, 0.2915**, and if you desaturate by 10%, it is **62.0126, 0.2514, 0.3051**.

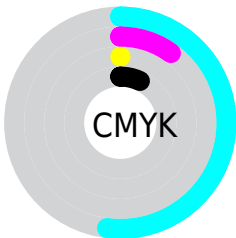
Distribution



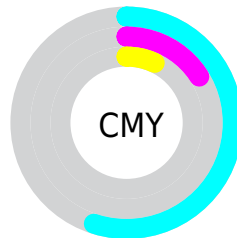
- Red (45%)
- Green (84%)
- Blue (93%)



- Red (45%)
- Yellow (66%)
- Blue (93%)



- Cyan (52%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)




- Cyan (55%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8436, 0.2394, 0.2984 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 57.8436, 0.2394, 0.2984 by changing the saturation by 10% instead.


 57.8436, 0.2394,
0.2984


 57.8436, 0.2394,
0.2984

416.6029, 0.2737,
0.3139

 41.6829, 0.2316,
0.2945


 101.6951, 0.2513,
0.3041

 28.8531, 0.2219,
0.2896


 130.1547, 0.2559,
0.3062

 18.9697, 0.2097,
0.2830


 163.4827, 0.2599,
0.3080

 11.6484, 0.1939,
0.2740

202.0635, 0.2634,
0.3095

 6.5047, 0.1727,
0.2611

246.2815, 0.2664,
0.3109

 3.1544, 0.1433,
0.2410

296.5212, 0.2691,

 1.2128, 0.0966,

0.3120

0.2084

353.1668, 0.2715,
0.3130

0.0722, 0.0000,
0.0419

0.0000, 0.0000,
0.0000

57.8436, 0.2394,
0.2984

57.8436, 0.2394,
0.2984

54.1595, 0.2291,
0.2915

62.0126, 0.2514,
0.3051

50.9204, 0.2206,
0.2844

66.6900, 0.2647,
0.3115

48.0900, 0.2140,
0.2773

71.9052, 0.2790,
0.3174

45.6220, 0.2094,
0.2703

77.6832, 0.2940,
0.3229

■ 43.8799, 0.2069,
0.2648

■ 84.0476, 0.3094,
0.3280

■ 90.6977, 0.3238,
0.3326

■ 93.4625, 0.3234,
0.3370

■ 96.2965, 0.3230,
0.3414

■ 98.9522, 0.3226,
0.3454

Harmonies

Analogous

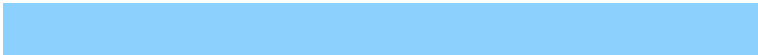
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.8436, 0.2544, 0.3355



57.8436, 0.2394, 0.2984



57.8436, 0.2424, 0.2731

Triad

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



57.8436, 0.2394, 0.2984



57.8436, 0.3380, 0.2898



57.8436, 0.3620, 0.3994

Complementary

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



57.8436, 0.2394, 0.2984



37.5264, 0.4488, 0.3556

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.



57.8436, 0.3873, 0.3811



57.8436, 0.2394, 0.2984



57.8436, 0.3737, 0.3187

Square

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



57.8436, 0.2394, 0.2984



57.8436, 0.2971, 0.2701



57.8436, 0.3921, 0.3514



57.8436, 0.3243, 0.3977

Rectangle

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



57.8436, 0.2394, 0.2984



57.8436, 0.2542, 0.2651



57.8436, 0.3921, 0.3514



57.8436, 0.3723, 0.3951

Sweetspot

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



57.8458, 0.2394, 0.2984



88.1410, 0.2881, 0.3208



66.5074, 0.2943, 0.4662



18.5668, 0.2850, 0.3197



0.0000, 0.0000, 0.0000



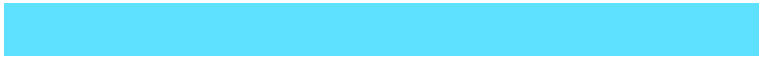
21.4041, 0.3127, 0.3290

Same Dimension

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



57.8458, 0.2394, 0.2984



62.9140, 0.2280, 0.2907



32.5894, 0.2226, 0.2147



17.3798, 0.2981, 0.3243



24.6672, 0.2072, 0.2659



2.1835, 0.2098, 0.2751

Inverse Universe

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



35.0431, 0.3423, 0.2246



34.7080, 0.3505, 0.2072



60.0926, 0.4097, 0.4198



15.9760, 0.3167, 0.3102



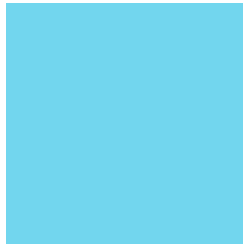
12.2835, 0.3767, 0.1849



1.0351, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 57.8436, 0.2394, 0.2984 looks on a white background.

Color Contrast Check

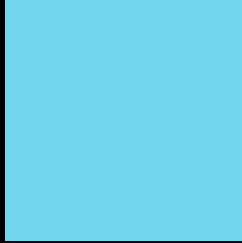
Large Text (above 18pt) WCAG AA × Fail

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 57.8436, 0.2394, 0.2984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

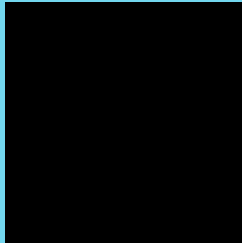
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.8436, 0.2394, 0.2984

Background



This preview shows how black text looks on a background with the Yxy color 57.8436, 0.2394, 0.2984.

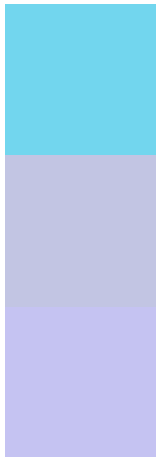


This preview shows how white text looks on a background with the Yxy color 57.8436, 0.2394, 0.2984.

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

57.8436, 0.2394, 0.2984

Protanopia

56.9479, 0.2895, 0.2939

Deuteranopia

57.3113, 0.2818, 0.2757



Tritanopia

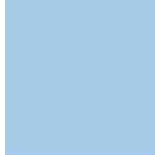
57.8718, 0.2416, 0.3070

Trichromacy



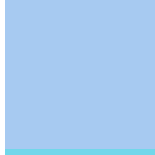
Original Color

57.8436, 0.2394, 0.2984



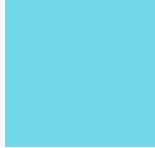
Protanomaly

56.4807, 0.2678, 0.2948



Deuteranomaly

56.8074, 0.2632, 0.2824



Tritanomaly

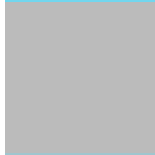
58.0521, 0.2411, 0.3045

Monochromacy



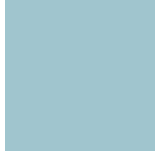
Original Color

57.8436, 0.2394, 0.2984



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

51.8623, 0.2790, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8436, 0.2394, 0.2984 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(114, 214, 238)` looks like.

```
.text, #text, p{  
    color:rgb(114, 214, 238)  
}
```

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(114, 214, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 214, 238) }
```

Border

The CSS property to change the border of an element to Yxy 57.8436, 0.2394, 0.2984 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(114, 214, 238) }
```

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

```
.border{ border-color:rgb(114, 214, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 214, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 214, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 214, 238);  
box-shadow:4px 4px 4px 4px rgb(114, 214,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8436, 0.2394, 0.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 214, 238) }
```

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

```
.background{ background-color: rgb(114,  
214, 238) }
```

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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