

Converting Colors

$Y_{xy}(59.3476, 0.2418, 0.2991)$

Have a look what the booklet for
Yxy(59.3476, 0.2418, 0.2991)
contains.

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Color

Yxy(59.3961, 0.2416, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	78D8F0
RGB	120, 216, 240
RGB Percent	47%, 85%, 94%
CMY	0.5295, 0.1529, 0.0589
CMYK	0.50, 0.10, 0.00, 0.06
HSL	192°, 80%, 71%
HSV	192°, 50%, 94%
XYZ	48.0258, 59.3961, 91.3603
YIQ	190.0320, -64.9200, -12.8880

Conversions

Conversions Part 2

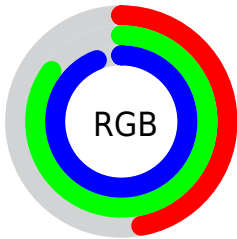
Format	Color
RYB	120, 173, 240
Decimal	7919856
CIELab	81.51, -22.05, -20.52
CIELCh	82, 30.123, 222.936
Yxy	59.3961, 0.2416, 0.2988
Android (android.graphics.Color)	4286109936 (0xFF78D8F0)
YUV	190.0320, 24.6342, -61.4181
Hunter-Lab	77.0689, -23.6375, -16.3363

Details

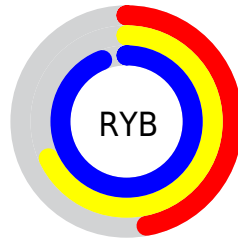
The Yxy color **59.3961, 0.2416, 0.2988** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.8136, 0.4403, 0.3556**, and the grayscale version is **51.3939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **29.8203, 0.2246, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **55.4709, 0.2308, 0.2917**, and if you desaturate by 10%, it is **63.8274, 0.2540, 0.3057**.

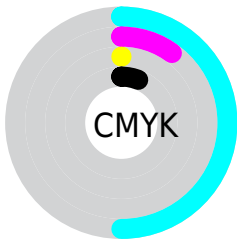
Distribution



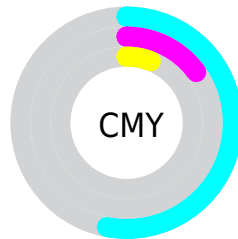
- Red (47%)
- Green (85%)
- Blue (94%)



- Red (47%)
- Yellow (68%)
- Blue (94%)



- Cyan (50%)
- Magenta (10%)
- Yellow (0%)
- Black (6%)





- Cyan (53%)
- Magenta (15%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3961, 0.2416, 0.2988 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 59.3961, 0.2416, 0.2988 by changing the saturation by 10% instead.


 59.3961, 0.2416,
0.2988


 59.3961, 0.2416,
0.2988


422.3682, 0.2747,
0.3140


 42.9321, 0.2340,
0.2950


 103.9531, 0.2531,
0.3043

 29.8318, 0.2247,
0.2902


 132.8149, 0.2576,
0.3064

 19.7110, 0.2130,
0.2839


 166.5781, 0.2614,
0.3082

 12.1851, 0.1978,
0.2753

205.6270, 0.2648,
0.3097

 6.8699, 0.1775,
0.2628

250.3461, 0.2677,
0.3110

 3.3809, 0.1493,
0.2438

301.1197, 0.2703,

 1.3337, 0.1072,

0.3121

358.3323, 0.2726,
0.3131

0.2125

0.1670, 0.0000,
0.0860

0.0000, 0.0000,
0.0000

59.3961, 0.2416,
0.2988

59.3961, 0.2416,
0.2988

55.4709, 0.2308,
0.2917

63.8274, 0.2540,
0.3057

52.0117, 0.2218,
0.2844

68.7880, 0.2676,
0.3122

48.9826, 0.2148,
0.2770

74.3076, 0.2821,
0.3183

46.3385, 0.2097,
0.2697

80.4114, 0.2973,
0.3239

■ 44.0046, 0.2062,
0.2624

■ 87.1230, 0.3127,
0.3290

■ 92.7224, 0.3223,
0.3337

■ 95.6582, 0.3219,
0.3383

■ 98.6698, 0.3215,
0.3429

■ 99.0705, 0.3215,
0.3434

Harmonies

Analogous

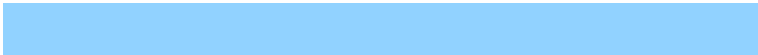
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.3961, 0.2558, 0.3344



59.3961, 0.2416, 0.2988



59.3961, 0.2449, 0.2746

Triad

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



59.3961, 0.2416, 0.2988



59.3961, 0.3381, 0.2916



59.3961, 0.3596, 0.3972

Complementary

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



59.3961, 0.2416, 0.2988



39.8136, 0.4403, 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.



59.3961, 0.3845, 0.3800



59.3961, 0.2416, 0.2988



59.3961, 0.3722, 0.3198

Square

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



59.3961, 0.2416, 0.2988



59.3961, 0.2986, 0.2723



59.3961, 0.3895, 0.3515



59.3961, 0.3230, 0.3949

Rectangle

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



59.3961, 0.2416, 0.2988



59.3961, 0.2566, 0.2670



59.3961, 0.3895, 0.3515



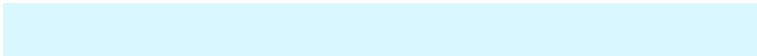
59.3961, 0.3697, 0.3933

Sweetspot

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



59.3984, 0.2416, 0.2988



88.6735, 0.2896, 0.3211



68.2569, 0.2948, 0.4597



18.6661, 0.2864, 0.3199



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.



59.3984, 0.2416, 0.2988



63.5865, 0.2306, 0.2915



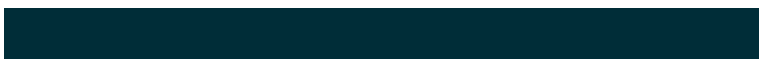
34.7307, 0.2264, 0.2203



17.3610, 0.2981, 0.3242



24.2846, 0.2066, 0.2636



2.1549, 0.2092, 0.2732

Inverse Universe

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



36.9102, 0.3416, 0.2290



36.1678, 0.3493, 0.2123



62.1130, 0.4053, 0.4165



15.9741, 0.3168, 0.3103



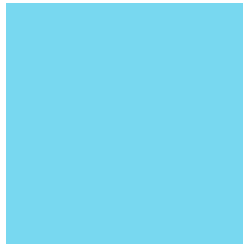
12.2449, 0.3789, 0.1861



1.0323, 0.3698, 0.1811

Previews

White Background



This preview shows how the Yxy color 59.3961, 0.2416, 0.2988 looks on a white background.

Color Contrast Check

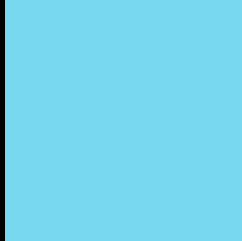
Large Text (above 18pt) WCAG AA × Fail

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 59.3961, 0.2416, 0.2988 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 59.3961, 0.2416, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 59.3961, 0.2416, 0.2988.

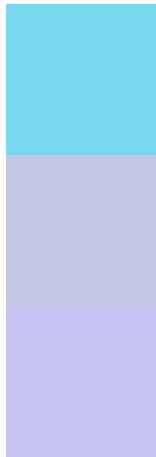


This preview shows how white text looks on a background with the Yxy color 59.3961, 0.2416, 0.2988.

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

59.3961, 0.2416, 0.2988

Protanopia

58.8360, 0.2904, 0.2955

Deuteranopia

58.7435, 0.2827, 0.2763



Tritanopia

59.4178, 0.2437, 0.3073

Trichromacy



Original Color

59.3961, 0.2416, 0.2988

Protanomaly

58.4608, 0.2695, 0.2965

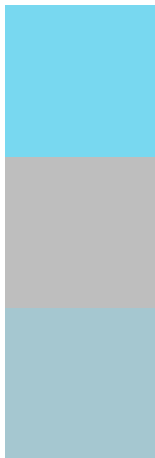
Deuteranomaly

58.3147, 0.2648, 0.2830

Tritanomaly

59.6038, 0.2433, 0.3048

Monochromacy



Original Color

59.3961, 0.2416, 0.2988

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

53.4002, 0.2813, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3961, 0.2416, 0.2988 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(120, 216, 240)` looks like.

```
.text, #text, p{  
    color:rgb(120, 216, 240)  
}
```

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(120, 216, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 216, 240) }
```

Border

The CSS property to change the border of an element to Yxy 59.3961, 0.2416, 0.2988 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(120, 216, 240) }
```

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

```
.border{ border-color:rgb(120, 216, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 216, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 216, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 216, 240); box-shadow:4px 4px 4px 4px rgb(120, 216, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3961, 0.2416, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 216, 240) }
```

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

```
.background{ background-color: rgb(120,  
216, 240) }
```

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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