

Converting Colors

$Yxy(51.1728, 0.2465, 0.2945)$

Have a look what the booklet for
Yxy(51.1728, 0.2465, 0.2945)
contains.

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Color

Yxy(51.1595, 0.2468, 0.2948)

Conversions

Conversions Part 1

Format	Color
Hex	7DC8E2
RGB	125, 200, 226
RGB Percent	49%, 78%, 89%
CMY	0.5100, 0.2156, 0.1138
CMYK	0.45, 0.11, 0.00, 0.11
HSL	195°, 64%, 69%
HSV	195°, 45%, 89%
XYZ	42.8296, 51.1595, 79.5506
YIQ	180.5390, -53.0460, -7.8140

Conversions

Conversions Part 2

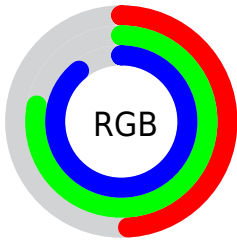
Format	Color
R _{YB}	125, 168, 226
Decimal	8243426
CIE _{Lab}	76.78, -16.57, -20.17
CIE _{LCh}	77, 26.104, 230.610
Yxy	51.1595, 0.2468, 0.2948
Android (android.graphics.Color)	4286433506 (0xFF7DC8E2)
YUV	180.5390, 22.4123, -48.7077
Hunter-Lab	71.5259, -18.2847, -15.8738

Details

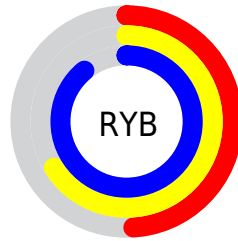
The Yxy color **51.1595, 0.2468, 0.2948** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **39.7454, 0.4173, 0.3598**, and the grayscale version is **45.8387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **24.7270, 0.2301, 0.2843** is the 20% darker color. If you saturate the color by 10%, you get **47.0119, 0.2344, 0.2857**, and if you desaturate by 10%, it is **55.8000, 0.2604, 0.3035**.

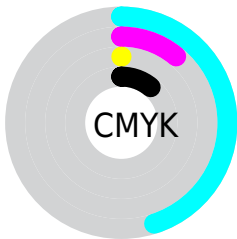
Distribution



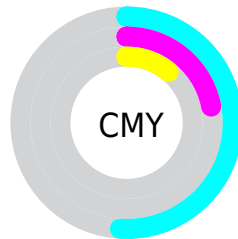
- Red (49%)
- Green (78%)
- Blue (89%)



- Red (49%)
- Yellow (66%)
- Blue (89%)



- Cyan (45%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)





- Cyan (51%)
- Magenta (22%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1595, 0.2468, 0.2948 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 51.1595, 0.2468, 0.2948 by changing the saturation by 10% instead.


 51.1595, 0.2468,
0.2948

 51.1595, 0.2468,
0.2948


391.1832, 0.2784,
0.3122


 36.3356, 0.2394,
0.2904


 91.8905, 0.2579,
0.3011

 24.6935, 0.2301,
0.2848


 118.5663, 0.2622,
0.3035

 15.8488, 0.2182,
0.2774

 149.9616, 0.2659,
0.3055

 9.4172, 0.2024,
0.2672

186.4607, 0.2691,
0.3072

 5.0143, 0.1807,
0.2522

228.4480, 0.2718,
0.3087

 2.2557, 0.1495,
0.2286

276.3079, 0.2743,

 0.7501, 0.0788,

0.3100

0.1915

330.4248, 0.2764,
0.3112

0.0000, 0.0000,
0.0000

51.1595, 0.2468,
0.2948

51.1595, 0.2468,
0.2948

47.0119, 0.2344,
0.2857

55.8000, 0.2604,
0.3035

43.3235, 0.2237,
0.2762

60.9526, 0.2750,
0.3116

40.0653, 0.2147,
0.2666

66.6425, 0.2901,
0.3191

37.2014, 0.2077,
0.2569

72.8913, 0.3055,
0.3260

34.6880, 0.2027,
0.2473

79.7194, 0.3208,
0.3322

■ 33.4633, 0.2006,
0.2423

■ 86.0824, 0.3321,
0.3378

■ 89.4588, 0.3314,
0.3435

■ 92.9448, 0.3308,
0.3491

■ 96.5413, 0.3301,
0.3546

Harmonies

Analogous

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



51.1595, 0.2559, 0.3253



51.1595, 0.2468, 0.2948



51.1595, 0.2540, 0.2759

Triad

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



51.1595, 0.2468, 0.2948



51.1595, 0.3448, 0.3008



51.1595, 0.3478, 0.3924

Complementary

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



51.1595, 0.2468, 0.2948



39.7454, 0.4173, 0.3598

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.



51.1595, 0.3739, 0.3811



51.1595, 0.2468, 0.2948



51.1595, 0.3726, 0.3282

Square

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



51.1595, 0.2468, 0.2948



51.1595, 0.3090, 0.2805



51.1595, 0.3834, 0.3571



51.1595, 0.3132, 0.3849

Rectangle

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



51.1595, 0.2468, 0.2948



51.1595, 0.2672, 0.2713



51.1595, 0.3834, 0.3571



51.1595, 0.3579, 0.3905

Sweetspot

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



51.1615, 0.2468, 0.2948



88.9314, 0.2926, 0.3203



60.9436, 0.2927, 0.4333



18.6600, 0.2892, 0.3187



0.0000, 0.0000, 0.0000



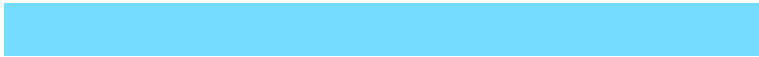
21.4041, 0.3127, 0.3290

Same Dimension

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



51.1615, 0.2468, 0.2948



62.0098, 0.2348, 0.2860



31.7219, 0.2346, 0.2247



14.9449, 0.2982, 0.3228



19.2960, 0.2011, 0.2438



1.4790, 0.2051, 0.2585

Inverse Universe

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



34.9882, 0.3436, 0.2448



39.1998, 0.3527, 0.2285



59.2856, 0.3906, 0.4145



13.8723, 0.3177, 0.3117



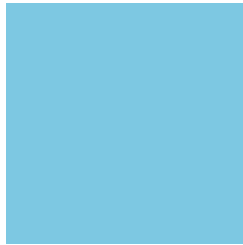
10.8560, 0.3984, 0.1969



0.7668, 0.3839, 0.1888

Previews

White Background



This preview shows how the Yxy color 51.1595, 0.2468, 0.2948 looks on a white background.

Color Contrast Check

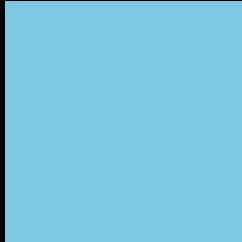
Large Text (above 18pt) WCAG AA × Fail

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 51.1595, 0.2468, 0.2948 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 51.1595, 0.2468, 0.2948

Background



This preview shows how black text looks on a background with the Yxy color 51.1595, 0.2468, 0.2948.



This preview shows how white text looks on a background with the Yxy color 51.1595, 0.2468, 0.2948.

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

51.1595, 0.2468, 0.2948

Protanopia

50.6177, 0.2876, 0.2922

Deuteranopia

50.9199, 0.2823, 0.2766



Tritanopia

50.9728, 0.2496, 0.3061

Trichromacy



Original Color

51.1595, 0.2468, 0.2948

Protanomaly

50.5480, 0.2710, 0.2935

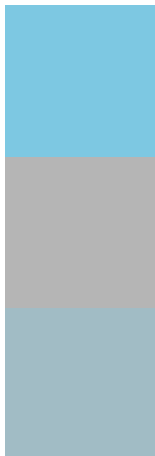
Deuteranomaly

50.3209, 0.2672, 0.2817

Tritanomaly

51.2047, 0.2486, 0.3023

Monochromacy



Original Color

51.1595, 0.2468, 0.2948

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.5747, 0.2849, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1595, 0.2468, 0.2948 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(125, 200, 226)` looks like.

```
.text, #text, p{  
    color:rgb(125, 200, 226)  
}
```

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(125, 200, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 200, 226) }
```

Border

The CSS property to change the border of an element to Yxy 51.1595, 0.2468, 0.2948 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(125, 200, 226) }
```

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

```
.border{ border-color:rgb(125, 200, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 200, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 200, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 200, 226); box-shadow:4px 4px 4px 4px rgb(125, 200, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1595, 0.2468, 0.2948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 200, 226) }
```

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

```
.background{ background-color: rgb(125,  
200, 226) }
```

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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