

Converting Colors

$Yxy(51.5545, 0.2373, 0.2990)$

Have a look what the booklet for
Yxy(51.5545, 0.2373, 0.2990)
contains.

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Color

Yxy(51.5603, 0.2376, 0.2994)

Conversions

Conversions Part 1

Format	Color
Hex	67CCE2
RGB	103, 204, 226
RGB Percent	40%, 80%, 89%
CMY	0.5958, 0.2000, 0.1138
CMYK	0.54, 0.10, 0.00, 0.11
HSL	191°, 68%, 65%
HSV	191°, 54%, 89%
XYZ	40.9176, 51.5603, 79.7342
YIQ	176.3090, -67.2580, -14.5700

Conversions

Conversions Part 2

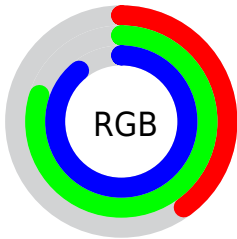
Format	Color
R _Y B	103, 158, 226
Decimal	6802658
CIE Lab	77.02, -23.40, -19.90
CIE LCh	77, 30.714, 220.375
Yxy	51.5603, 0.2376, 0.2994
Android (android.graphics.Color)	4284992738 (0xFF67CCE2)
YUV	176.3090, 24.4977, -64.2920
Hunter-Lab	71.8055, -23.9433, -15.5729

Details

The Yxy color **51.5603, 0.2376, 0.2994** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.8290, 0.4582, 0.3544**, and the grayscale version is **43.4912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **25.0763, 0.2187, 0.2905** is the 20% darker color. If you saturate the color by 10%, you get **48.5038, 0.2279, 0.2930**, and if you desaturate by 10%, it is **55.0317, 0.2490, 0.3056**.

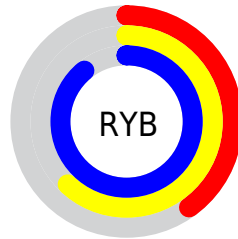
Distribution



Red (40%)

Green (80%)

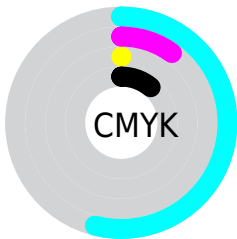
Blue (89%)



Red (40%)

Yellow (62%)

Blue (89%)

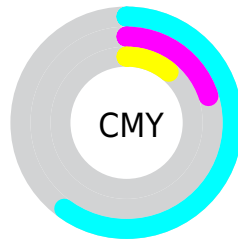


Cyan (54%)

Magenta (10%)

Yellow (0%)

Black (11%)



Cyan (60%)

Magenta (20%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5603, 0.2376, 0.2994 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 51.5603, 0.2376, 0.2994 by changing the saturation by 10% instead.

51.5603, 0.2376,
0.2994

51.5603, 0.2376,
0.2994

392.7368, 0.2734,
0.3148

36.6547, 0.2292,
0.2954

92.4825, 0.2502,
0.3051

24.9403, 0.2188,
0.2903

119.2678, 0.2550,
0.3072

16.0326, 0.2056,
0.2834

150.7819, 0.2592,
0.3090

9.5472, 0.1882,
0.2737

187.4091, 0.2628,
0.3105

5.0998, 0.1645,
0.2594

229.5337, 0.2659,
0.3118

2.3059, 0.1311,
0.2364

277.5403, 0.2687,

0.7768, 0.0437,

0.3129

0.2032

331.8132, 0.2712,
0.3139

■ 0.0000, 0.0000,
0.0000

■ 51.5603, 0.2376,
0.2994

■ 51.5603, 0.2376,
0.2994

■ 48.5038, 0.2279,
0.2930

■ 55.0317, 0.2490,
0.3056

■ 45.8261, 0.2200,
0.2865

■ 58.9390, 0.2619,
0.3115

■ 43.4944, 0.2141,
0.2800

■ 63.3086, 0.2759,
0.3171

■ 41.4659, 0.2100,
0.2736

■ 68.1628, 0.2907,
0.3223

■ 40.4224, 0.2083,
0.2700

■ 73.5226, 0.3059,
0.3271

79.4075, 0.3214,
0.3314

84.6290, 0.3324,
0.3353

86.9349, 0.3320,
0.3393

89.2935, 0.3315,
0.3432

Harmonies

Analogous

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



51.5603, 0.2541, 0.3382



51.5603, 0.2376, 0.2994



51.5603, 0.2395, 0.2725

Triad

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



51.5603, 0.2376, 0.2994



51.5603, 0.3362, 0.2870



51.5603, 0.3656, 0.4010

Complementary

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



51.5603, 0.2376, 0.2994



31.8290, 0.4582, 0.3544

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.



51.5603, 0.3907, 0.3809



51.5603, 0.2376, 0.2994



51.5603, 0.3738, 0.3163

Square

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



51.5603, 0.2376, 0.2994



51.5603, 0.2941, 0.2676



51.5603, 0.3942, 0.3498



51.5603, 0.3271, 0.4009

Rectangle

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



51.5603, 0.2376, 0.2994



51.5603, 0.2509, 0.2636



51.5603, 0.3942, 0.3498



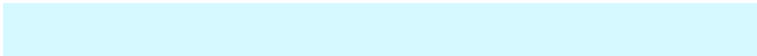
51.5603, 0.3759, 0.3961

Sweetspot

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



51.5622, 0.2376, 0.2994



88.4977, 0.2881, 0.3214



58.7156, 0.2949, 0.4756



18.6525, 0.2850, 0.3204



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.



51.5622, 0.2376, 0.2994



63.3963, 0.2269, 0.2923



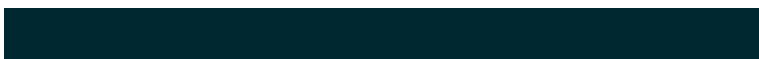
28.3375, 0.2195, 0.2123



15.1334, 0.2982, 0.3247



23.2236, 0.2086, 0.2710



1.7201, 0.2114, 0.2809

Inverse Universe

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



30.2405, 0.3418, 0.2194



33.9018, 0.3495, 0.2026



51.8503, 0.4154, 0.4209



13.8914, 0.3165, 0.3100



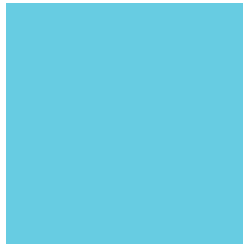
11.2525, 0.3719, 0.1822



0.7911, 0.3626, 0.1771

Previews

White Background



This preview shows how the Yxy color 51.5603, 0.2376, 0.2994 looks on a white background.

Color Contrast Check

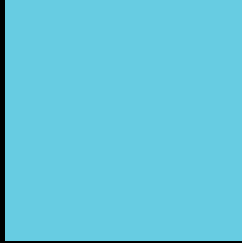
Large Text (above 18pt) WCAG AA × Fail

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 51.5603, 0.2376, 0.2994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

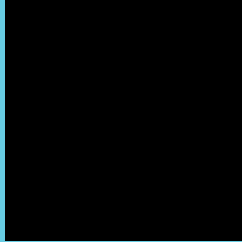
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.5603, 0.2376, 0.2994

Background



This preview shows how black text looks on a background with the Yxy color 51.5603, 0.2376, 0.2994.



This preview shows how white text looks on a background with the Yxy color 51.5603, 0.2376, 0.2994.

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

51.5603, 0.2376, 0.2994

Protanopia

51.1870, 0.2906, 0.2959

Deuteranopia

50.9759, 0.2817, 0.2755



Tritanopia

51.6498, 0.2394, 0.3072

Trichromacy



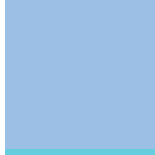
Original Color

51.5603, 0.2376, 0.2994



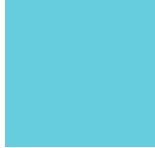
Protanomaly

50.6666, 0.2672, 0.2969



Deuteranomaly

50.4243, 0.2616, 0.2824



Tritanomaly

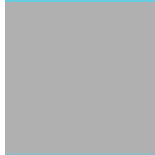
51.8151, 0.2388, 0.3046

Monochromacy



Original Color

51.5603, 0.2376, 0.2994



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

45.4024, 0.2779, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5603, 0.2376, 0.2994 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(103, 204, 226)` looks like.

```
.text, #text, p{  
    color:rgb(103, 204, 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(103, 204, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 204, 226) }
```

Border

The CSS property to change the border of an element to Yxy 51.5603, 0.2376, 0.2994 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(103, 204, 226) }
```

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

```
.border{ border-color:rgb(103, 204, 226) }
```

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

Here you see how a box with a 4 pixel rgb(103, 204, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 204, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 204, 226);  
box-shadow:4px 4px 4px 4px rgb(103, 204,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5603, 0.2376, 0.2994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 204, 226) }
```

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

```
.background{ background-color: rgb(103,  
204, 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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