

Converting Colors

$Y_{xy}(47.6990, 0.2361, 0.2878)$

Have a look what the booklet for
Yxy(47.6990, 0.2361, 0.2878)
contains.

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Color

Yxy(47.5245, 0.2358, 0.2869)

Conversions

Conversions Part 1

Format	Color
Hex	69C3E2
RGB	105, 195, 226
RGB Percent	41%, 76%, 89%
CMY	0.5886, 0.2352, 0.1137
CMYK	0.54, 0.14, 0.00, 0.11
HSL	195°, 68%, 65%
HSV	195°, 54%, 89%
XYZ	39.0599, 47.5245, 79.0639
YIQ	171.6240, -63.5910, -9.4390

Conversions

Conversions Part 2

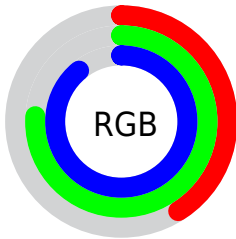
Format	Color
RYB	105, 157, 226
Decimal	6931426
CIELab	74.52, -18.45, -23.69
CIELCh	75, 30.028, 232.080
Yxy	47.5245, 0.2358, 0.2869
Android (android.graphics.Color)	4285121506 (0xFF69C3E2)
YUV	171.6240, 26.8074, -58.4292
Hunter-Lab	68.9380, -19.5045, -19.7422

Details

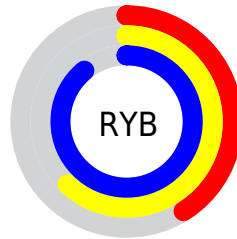
The Yxy color **47.5245, 0.2358, 0.2869** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **34.7654, 0.4482, 0.3649**, and the grayscale version is **40.9320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7333, 0.2619, 0.3256**, and **22.4214, 0.2159, 0.2732** is the 20% darker color. If you saturate the color by 10%, you get **43.7945, 0.2248, 0.2775**, and if you desaturate by 10%, it is **51.7219, 0.2483, 0.2960**.

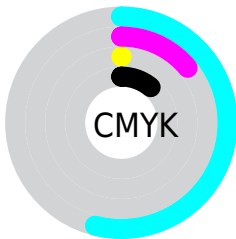
Distribution



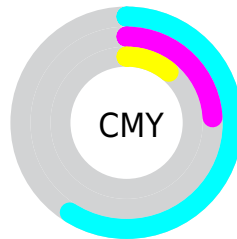
- Red (41%)
- Green (76%)
- Blue (89%)



- Red (41%)
- Yellow (62%)
- Blue (89%)



- Cyan (54%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)




- Cyan (59%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5245, 0.2358, 0.2869 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 47.5245, 0.2358, 0.2869 by changing the saturation by 10% instead.

 47.5245, 0.2358,
0.2869


 47.5245, 0.2358,
0.2869


376.9043, 0.2729,
0.3085


 33.4505, 0.2270,
0.2814


 86.4960, 0.2489,
0.2948

 22.4718, 0.2161,
0.2744


 112.1623, 0.2539,
0.2978

 14.2040, 0.2021,
0.2650


 142.4615, 0.2582,
0.3003

 8.2627, 0.1836,
0.2519

177.7779, 0.2620,
0.3024

 4.2635, 0.1583,
0.2329

218.4960, 0.2652,
0.3043

 1.8220, 0.1227,
0.2031

265.0002, 0.2681,

 0.5008, 0.0077,

0.3059

0.1503

317.6748, 0.2706,
0.3073

0.0000, 0.0000,
0.0000

47.5245, 0.2358,
0.2869

47.5245, 0.2358,
0.2869

43.7945, 0.2248,
0.2775

51.7219, 0.2483,
0.2960

40.4959, 0.2157,
0.2679

56.4086, 0.2620,
0.3045

37.5952, 0.2085,
0.2583


61.6115, 0.2767,
0.3126


35.0499, 0.2033,
0.2488

67.3535, 0.2918,
0.3200


33.5597, 0.2008,
0.2427

73.6560, 0.3072,
0.3267

 80.5393, 0.3226,
0.3328

 86.4512, 0.3321,
0.3384

 89.8257, 0.3314,
0.3441

 93.3091, 0.3307,
0.3496

Harmonies

Analogous

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



47.5245, 0.2453, 0.3222



47.5245, 0.2358, 0.2869



47.5245, 0.2450, 0.2661

Triad

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



47.5245, 0.2358, 0.2869



47.5245, 0.3524, 0.2974



47.5245, 0.3517, 0.4041

Complementary

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



47.5245, 0.2358, 0.2869



34.7654, 0.4482, 0.3649

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.



47.5245, 0.3834, 0.3909



47.5245, 0.2358, 0.2869



47.5245, 0.3847, 0.3292

Square

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



47.5245, 0.2358, 0.2869



47.5245, 0.3102, 0.2735



47.5245, 0.3961, 0.3628



47.5245, 0.3108, 0.3946

Rectangle

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



47.5245, 0.2358, 0.2869



47.5245, 0.2608, 0.2615



47.5245, 0.3961, 0.3628



47.5245, 0.3639, 0.4019

Sweetspot

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



47.5263, 0.2358, 0.2869



86.5854, 0.2879, 0.3182



59.1443, 0.2900, 0.4586



18.1934, 0.2848, 0.3167



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.



47.5263, 0.2358, 0.2869



57.1953, 0.2240, 0.2767



25.8682, 0.2179, 0.1997



14.9475, 0.2982, 0.3229



19.3463, 0.2012, 0.2442



1.4821, 0.2052, 0.2588

Inverse Universe

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



30.1947, 0.3518, 0.2296



33.6961, 0.3627, 0.2141



56.5434, 0.4073, 0.4298



13.8726, 0.3177, 0.3117



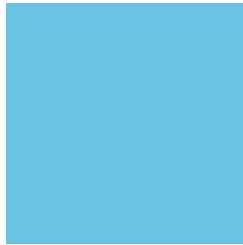
10.8611, 0.3981, 0.1966



0.7671, 0.3836, 0.1887

Previews

White Background



This preview shows how the Yxy color 47.5245, 0.2358, 0.2869 looks on a white background.

Color Contrast Check

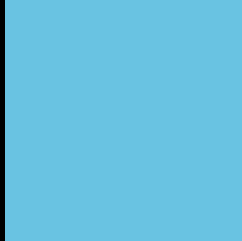
Large Text (above 18pt) WCAG AA × Fail

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 47.5245, 0.2358, 0.2869 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 47.5245, 0.2358, 0.2869

Background



This preview shows how black text looks on a background with the Yxy color 47.5245, 0.2358, 0.2869.

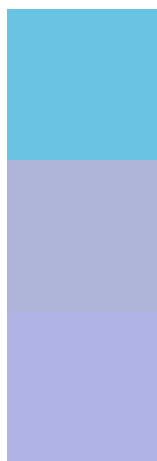


This preview shows how white text looks on a background with the Yxy color 47.5245, 0.2358, 0.2869.

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

47.5245, 0.2358, 0.2869

Protanopia

47.1196, 0.2819, 0.2850

Deuteranopia

47.1835, 0.2731, 0.2667



Tritanopia

47.4459, 0.2405, 0.3064

Trichromacy



Original Color

47.5245, 0.2358, 0.2869

Protanomaly

46.7691, 0.2621, 0.2847

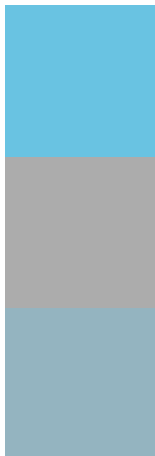
Deuteranomaly

46.8391, 0.2566, 0.2727

Tritanomaly

47.3666, 0.2386, 0.2984

Monochromacy



Original Color

47.5245, 0.2358, 0.2869

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.7442, 0.2779, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5245, 0.2358, 0.2869 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(105, 195, 226)` looks like.

```
.text, #text, p{  
    color:rgb(105, 195, 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(105, 195, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 195, 226) }
```

Border

The CSS property to change the border of an element to Yxy 47.5245, 0.2358, 0.2869 is called "border". The border property can be set on classes, ids or directly on the HTML element.

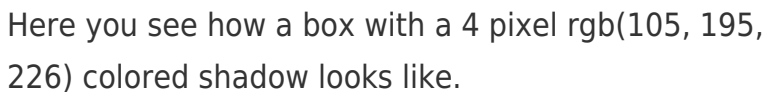
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 195, 226) }
```

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

```
.border{ border-color:rgb(105, 195, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 195, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 195, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 195, 226); box-shadow:4px 4px 4px 4px rgb(105, 195, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5245, 0.2358, 0.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 195, 226) }
```

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

```
.background{ background-color: rgb(105,  
195, 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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