

Converting Colors

$Yxy(45.1198, 0.2377, 0.2796)$

Have a look what the booklet for
Yxy(45.1198, 0.2377, 0.2796)
contains.

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Color

Yxy(45.2762, 0.2379, 0.2800)

Conversions

Conversions Part 1

Format	Color
Hex	70BDE1
RGB	112, 189, 225
RGB Percent	44%, 74%, 88%
CMY	0.5609, 0.2588, 0.1176
CMYK	0.50, 0.16, 0.00, 0.12
HSL	199°, 65%, 66%
HSV	199°, 50%, 88%
XYZ	38.4686, 45.2762, 77.9559
YIQ	170.0810, -57.4480, -5.1280

Conversions

Conversions Part 2

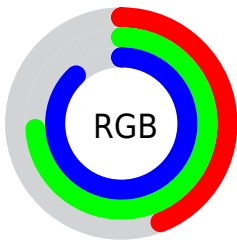
Format	Color
RYB	112, 158, 225
Decimal	7388641
CIELab	73.07, -14.09, -25.35
CIELCh	73, 28.997, 240.935
Yxy	45.2762, 0.2379, 0.2800
Android (android.graphics.Color)	4285578721 (0xFF70BDE1)
YUV	170.0810, 27.0751, -50.9370
Hunter-Lab	67.2876, -15.7041, -21.5890

Details

The Yxy color **45.2762, 0.2379, 0.2800** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.3526, 0.4315, 0.3713**, and the grayscale version is **40.1227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0709, 0.2638, 0.3178**, and **21.2144, 0.2182, 0.2657** is the 20% darker color. If you saturate the color by 10%, you get **40.9742, 0.2255, 0.2682**, and if you desaturate by 10%, it is **50.1027, 0.2516, 0.2913**.

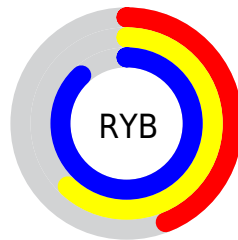
Distribution



Red (44%)

Green (74%)

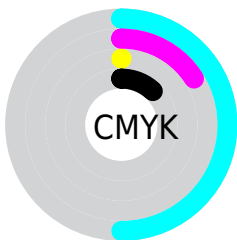
Blue (88%)



Red (44%)

Yellow (62%)

Blue (88%)

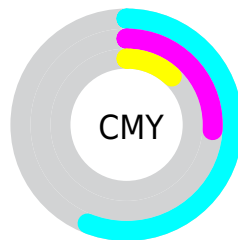


Cyan (50%)

Magenta (16%)

Yellow (0%)

Black (12%)



Cyan (56%)


Magenta (26%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2762, 0.2379, 0.2800 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 45.2762, 0.2379, 0.2800 by changing the saturation by 10% instead.


 45.2762, 0.2379,
0.2800


 45.2762, 0.2379,
0.2800


367.8910, 0.2743,
0.3050

 31.6750, 0.2292,
0.2737


 83.1347, 0.2508,
0.2891

 21.1134, 0.2183,
0.2657


 108.1609, 0.2558,
0.2925

 13.2069, 0.2043,
0.2550

 137.7641, 0.2600,
0.2954

 7.5712, 0.1857,
0.2402

172.3289, 0.2636,
0.2979

 3.8218, 0.1601,
0.2188

212.2396, 0.2668,
0.3000

 1.5744, 0.1235,
0.1858

257.8806, 0.2696,

 0.3402, 0.0000,

0.3019

0.1124

309.6363, 0.2721,
0.3035

0.0000, 0.0000,
0.0000

45.2762, 0.2379,
0.2800

45.2762, 0.2379,
0.2800

40.9742, 0.2255,
0.2682

50.1027, 0.2516,
0.2913

37.1614, 0.2148,
0.2561

55.4760, 0.2662,
0.3019

33.8053, 0.2060,
0.2438

61.4225, 0.2815,
0.3117


30.8656, 0.1993,
0.2317


67.9657, 0.2969,
0.3207

28.3309, 0.1945,
0.2200

75.1272, 0.3124,
0.3288

 82.9275, 0.3275,
0.3361

 88.5352, 0.3322,
0.3430

 92.8199, 0.3314,
0.3499

 97.2729, 0.3305,
0.3567

Harmonies

Analogous

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



45.2762, 0.2418, 0.3110



45.2762, 0.2379, 0.2800



45.2762, 0.2522, 0.2643

Triad

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



45.2762, 0.2379, 0.2800



45.2762, 0.3626, 0.3066



45.2762, 0.3397, 0.4024

Complementary

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



45.2762, 0.2379, 0.2800



38.3526, 0.4315, 0.3713

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.



45.2762, 0.3746, 0.3955



45.2762, 0.2379, 0.2800



45.2762, 0.3891, 0.3391

Square

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



45.2762, 0.2379, 0.2800



45.2762, 0.3227, 0.2803



45.2762, 0.3933, 0.3714



45.2762, 0.2990, 0.3861

Rectangle

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



45.2762, 0.2379, 0.2800



45.2762, 0.2708, 0.2630



45.2762, 0.3933, 0.3714



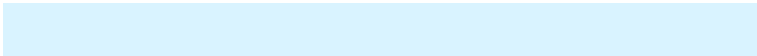
45.2762, 0.3525, 0.4026

Sweetspot

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



45.2779, 0.2379, 0.2800



85.9245, 0.2894, 0.3164



59.4323, 0.2869, 0.4379



18.0000, 0.2861, 0.3145



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.



45.2779, 0.2379, 0.2800



54.3146, 0.2253, 0.2680



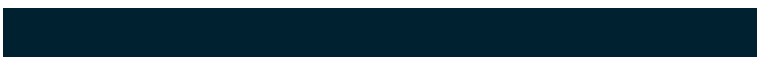
25.5718, 0.2221, 0.1984



14.7975, 0.2982, 0.3214



16.5424, 0.1950, 0.2219



1.3058, 0.2001, 0.2403

Inverse Universe

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



31.2663, 0.3567, 0.2423



35.2318, 0.3694, 0.2277



60.5031, 0.3968, 0.4315



13.8574, 0.3186, 0.3132



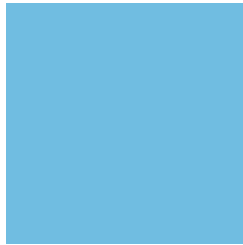
10.5780, 0.4212, 0.2094



0.7493, 0.4019, 0.1988

Previews

White Background



This preview shows how the Yxy color 45.2762, 0.2379, 0.2800 looks on a white background.

Color Contrast Check

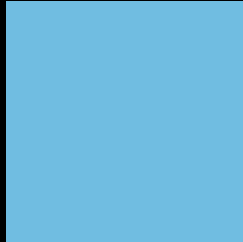
Large Text (above 18pt) WCAG AA × Fail

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 45.2762, 0.2379, 0.2800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

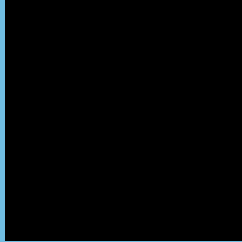
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2762, 0.2379, 0.2800

Background



This preview shows how black text looks on a background with the Yxy color 45.2762, 0.2379, 0.2800.



This preview shows how white text looks on a background with the Yxy color 45.2762, 0.2379, 0.2800.

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

45.2762, 0.2379, 0.2800

Protanopia

44.9482, 0.2777, 0.2793

Deuteranopia

44.8074, 0.2695, 0.2630



Tritanopia

45.3175, 0.2444, 0.3062

Trichromacy



Original Color

45.2762, 0.2379, 0.2800

Protanomaly

44.5518, 0.2612, 0.2790

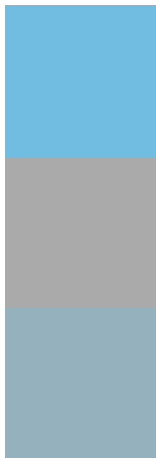
Deuteranomaly

44.5781, 0.2562, 0.2682

Tritanomaly

45.3048, 0.2420, 0.2967

Monochromacy



Original Color

45.2762, 0.2379, 0.2800

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.5515, 0.2798, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2762, 0.2379, 0.2800 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(112, 189, 225)` looks like.

```
.text, #text, p{  
    color:rgb(112, 189, 225)  
}
```

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(112, 189, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 189, 225) }
```

Border

The CSS property to change the border of an element to Yxy 45.2762, 0.2379, 0.2800 is called "border". The border property can be set on classes, ids or directly on the HTML element.

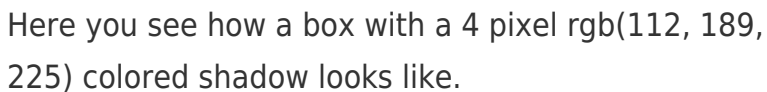
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 189, 225) }
```

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

```
.border{ border-color:rgb(112, 189, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(112, 189, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 189, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 189, 225); box-shadow:4px 4px 4px 4px rgb(112, 189, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2762, 0.2379, 0.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 189, 225) }
```

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

```
.background{ background-color: rgb(112,  
189, 225) }
```

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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