

Converting Colors

$Y_{xy}(41.3354, 0.2378, 0.2779)$

Have a look what the booklet for
Yxy(41.3354, 0.2378, 0.2779)
contains.

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Color

Yxy(41.3087, 0.2382, 0.2783)

Conversions

Conversions Part 1

Format	Color
Hex	6DB5D9
RGB	109, 181, 217
RGB Percent	43%, 71%, 85%
CMY	0.5725, 0.2902, 0.1489
CMYK	0.50, 0.17, 0.00, 0.15
HSL	200°, 59%, 64%
HSV	200°, 50%, 85%
XYZ	35.3566, 41.3087, 71.7670
YIQ	163.5760, -54.4680, -4.0680

Conversions

Conversions Part 2

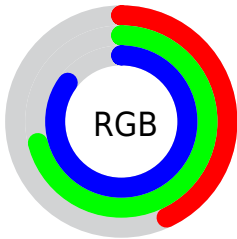
Format	Color
R_{YB}	109, 152, 217
Decimal	7189977
CIE _{Lab}	70.39, -12.78, -25.10
CIE _{LCh}	70, 28.170, 243.015
Yxy	41.3087, 0.2382, 0.2783
Android (android.graphics.Color)	4285380057 (0xFF6DB5D9)
YUV	163.5760, 26.3380, -47.8632
Hunter-Lab	64.2718, -14.2811, -21.2139

Details

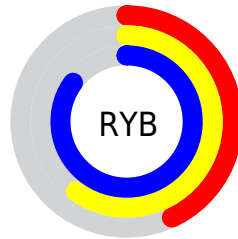
The Yxy color **41.3087, 0.2382, 0.2783** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **36.1158, 0.4285, 0.3728**, and the grayscale version is **36.8061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8954, 0.2606, 0.3087**, and **18.6999, 0.2179, 0.2627** is the 20% darker color. If you saturate the color by 10%, you get **37.2327, 0.2256, 0.2660**, and if you desaturate by 10%, it is **45.8804, 0.2521, 0.2901**.

Distribution



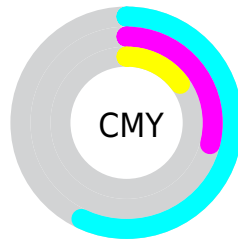
- Red (43%)
- Green (71%)
- Blue (85%)



- Red (43%)
- Yellow (60%)
- Blue (85%)



- Cyan (50%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (57%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3087, 0.2382, 0.2783 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 41.3087, 0.2382, 0.2783 by changing the saturation by 10% instead.

■ 41.3087, 0.2382,
0.2783

■ 41.3087, 0.2382,
0.2783

■ 351.6092, 0.2750,
0.3044

■ 28.5604, 0.2293,
0.2716

■ 77.1523, 0.2514,
0.2879

■ 18.7485, 0.2179,
0.2630

■ 101.0163, 0.2564,
0.2915

■ 11.4887, 0.2032,
0.2514

■ 129.3544, 0.2607,
0.2945

■ 6.3966, 0.1835,
0.2353

■ 162.5509, 0.2644,
0.2971

■ 3.0877, 0.1559,
0.2116

■ 200.9903, 0.2675,
0.2993

■ 1.1777, 0.1158,
0.1745

■ 245.0568, 0.2703,

■ 0.0434, 0.0000,

0.3012

0.0205

295.1350, 0.2728,
0.3029

0.0000, 0.0000,
0.0000

41.3087, 0.2382,
0.2783

41.3087, 0.2382,
0.2783

37.2327, 0.2256,
0.2660

45.8804, 0.2521,
0.2901

33.6199, 0.2145,
0.2533

50.9683, 0.2669,
0.3011

30.4406, 0.2054,
0.2404

56.5970, 0.2822,
0.3114

27.6579, 0.1984,
0.2277

62.7879, 0.2977,
0.3207

25.2094, 0.1931,
0.2152

69.5612, 0.3131,
0.3292

■ 25.1559, 0.1930,
0.2149

■ 76.9358, 0.3281,
0.3368

■ 83.7903, 0.3385,
0.3437

■ 87.9405, 0.3374,
0.3508

■ 92.2604, 0.3364,
0.3577

Harmonies

Analogous

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



41.3087, 0.2408, 0.3084



41.3087, 0.2382, 0.2783



41.3087, 0.2537, 0.2638

Triad

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



41.3087, 0.2382, 0.2783



41.3087, 0.3651, 0.3087



41.3087, 0.3369, 0.4022

Complementary

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



41.3087, 0.2382, 0.2783



36.1158, 0.4285, 0.3728

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.



41.3087, 0.3726, 0.3968



41.3087, 0.2382, 0.2783



41.3087, 0.3903, 0.3414

Square

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



41.3087, 0.2382, 0.2783



41.3087, 0.3256, 0.2817



41.3087, 0.3928, 0.3735



41.3087, 0.2962, 0.3842

Rectangle

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



41.3087, 0.2382, 0.2783



41.3087, 0.2730, 0.2632



41.3087, 0.3928, 0.3735



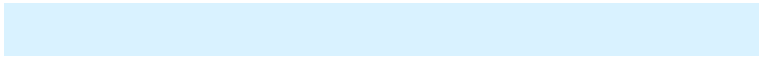
41.3087, 0.3500, 0.4029

Sweetspot

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



41.3102, 0.2382, 0.2783



85.5840, 0.2894, 0.3158



54.9310, 0.2861, 0.4337



17.9177, 0.2861, 0.3138



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.



41.3102, 0.2382, 0.2783



53.2222, 0.2246, 0.2650



23.4425, 0.2227, 0.1976



14.0599, 0.2982, 0.3210



15.4269, 0.1935, 0.2167



1.1554, 0.1992, 0.2371

Inverse Universe

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



29.0288, 0.3579, 0.2449



35.1215, 0.3720, 0.2297



56.7127, 0.3949, 0.4322



13.1972, 0.3188, 0.3135



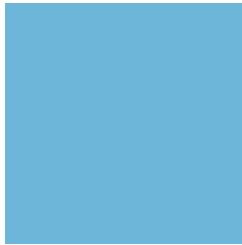
10.1811, 0.4268, 0.2125



0.6753, 0.4052, 0.2006

Previews

White Background



This preview shows how the Yxy color 41.3087, 0.2382, 0.2783 looks on a white background.

Color Contrast Check

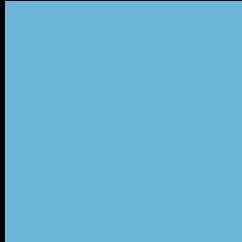
Large Text (above 18pt) WCAG AA × Fail

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 41.3087, 0.2382, 0.2783 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 41.3087, 0.2382, 0.2783

Background



This preview shows how black text looks on a background with the Yxy color 41.3087, 0.2382, 0.2783.



This preview shows how white text looks on a background with the Yxy color 41.3087, 0.2382, 0.2783.

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

41.3087, 0.2382, 0.2783

Protanopia

41.0343, 0.2757, 0.2774

Deuteranopia

40.8540, 0.2680, 0.2618



Tritanopia

41.2881, 0.2455, 0.3068

Trichromacy



Original Color

41.3087, 0.2382, 0.2783

Protanomaly

40.8652, 0.2602, 0.2773

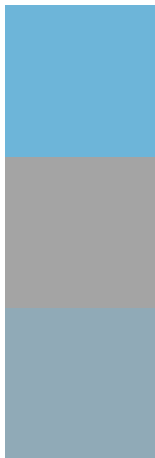
Deuteranomaly

40.8413, 0.2557, 0.2674

Tritanomaly

41.3265, 0.2425, 0.2956

Monochromacy



Original Color

41.3087, 0.2382, 0.2783

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.0976, 0.2802, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3087, 0.2382, 0.2783 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(109, 181, 217)` looks like.

```
.text, #text, p{  
    color:rgb(109, 181, 217)  
}
```

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(109, 181, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 181, 217) }
```

Border

The CSS property to change the border of an element to Yxy 41.3087, 0.2382, 0.2783 is called "border". The border property can be set on classes, ids or directly on the HTML element.

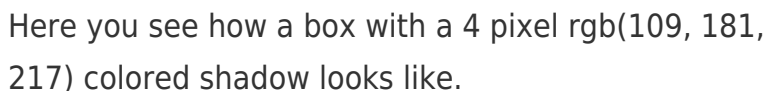
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 181, 217) }
```

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

```
.border{ border-color:rgb(109, 181, 217) }
```

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



Here you see how a box with a 4 pixel `rgb(109, 181, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 181, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 181, 217); box-shadow:4px 4px 4px 4px rgb(109, 181, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3087, 0.2382, 0.2783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 181, 217) }
```

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

```
.background{ background-color: rgb(109,  
181, 217) }
```

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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