

Converting Colors

$Yxy(47.5254, 0.2318, 0.2747)$

Have a look what the booklet for
Yxy(47.5254, 0.2318, 0.2747)
contains.

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Color

Yxy(47.6459, 0.2318, 0.2745)

Conversions

Conversions Part 1

Format	Color
Hex	6AC2EB
RGB	106, 194, 235
RGB Percent	42%, 76%, 92%
CMY	0.5843, 0.2392, 0.0783
CMYK	0.55, 0.17, 0.00, 0.08
HSL	199°, 76%, 67%
HSV	199°, 55%, 92%
XYZ	40.2343, 47.6459, 85.6932
YIQ	172.3620, -65.6090, -5.9050

Conversions

Conversions Part 2

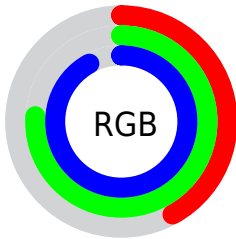
Format	Color
R _Y B	106, 158, 235
Decimal	6996715
CIE Lab	74.60, -15.10, -28.45
CIE LCh	75, 32.203, 242.043
Yxy	47.6459, 0.2318, 0.2745
Android (android.graphics.Color)	4285186795 (0xFF6AC2EB)
YUV	172.3620, 30.8805, -58.1995
Hunter-Lab	69.0260, -16.7503, -25.2881

Details

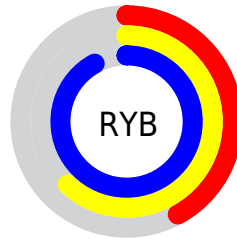
The Yxy color **47.6459, 0.2318, 0.2745** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **39.5867, 0.4477, 0.3746**, and the grayscale version is **41.3156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2137, 0.2622, 0.3245**, and **22.4229, 0.2111, 0.2585** is the 20% darker color. If you saturate the color by 10%, you get **43.1559, 0.2202, 0.2625**, and if you desaturate by 10%, it is **52.7013, 0.2449, 0.2860**.

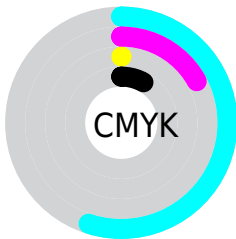
Distribution



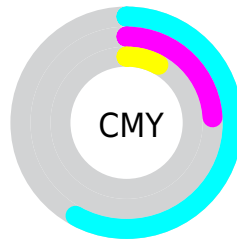
- Red (42%)
- Green (76%)
- Blue (92%)



- Red (42%)
- Yellow (62%)
- Blue (92%)



- Cyan (55%)
- Magenta (17%)
- Yellow (0%)
- Black (8%)



- Cyan (58%)
- Magenta (24%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6459, 0.2318, 0.2745 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 47.6459, 0.2318, 0.2745 by changing the saturation by 10% instead.

■ 47.6459, 0.2318,
0.2745

■ 47.6459, 0.2318,
0.2745

377.3868, 0.2706,
0.3020

■ 33.5466, 0.2227,
0.2677

■ 86.6770, 0.2455,
0.2845

■ 22.5455, 0.2114,
0.2590

■ 112.3774, 0.2508,
0.2882

■ 14.2582, 0.1969,
0.2477

■ 142.7138, 0.2553,
0.2914

■ 8.3005, 0.1780,
0.2323

178.0703, 0.2592,
0.2941

■ 4.2878, 0.1525,
0.2104

218.8315, 0.2626,
0.2965

■ 1.8358, 0.1172,
0.1776

265.3818, 0.2656,

■ 0.5094, 0.0276,

0.2985

0.1217

318.1054, 0.2683,
0.3004

0.0000, 0.0000,
0.0000

47.6459, 0.2318,
0.2745

47.6459, 0.2318,
0.2745

43.1559, 0.2202,
0.2625

52.7013, 0.2449,
0.2860

39.1904, 0.2103,
0.2503

58.3484, 0.2592,
0.2970

35.7103, 0.2025,
0.2381

64.6180, 0.2742,
0.3072


32.6658, 0.1968,
0.2260


71.5367, 0.2897,
0.3166

31.2413, 0.1944,
0.2199

79.1294, 0.3052,
0.3251

 87.4196, 0.3205,
0.3328

 93.3642, 0.3252,
0.3400

 98.0106, 0.3245,
0.3471

 98.7797, 0.3244,
0.3483

Harmonies

Analogous

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



47.6459, 0.2352, 0.3076



47.6459, 0.2318, 0.2745



47.6459, 0.2478, 0.2585

Triad

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



47.6459, 0.2318, 0.2745



47.6459, 0.3686, 0.3058



47.6459, 0.3402, 0.4093

Complementary

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



47.6459, 0.2318, 0.2745



39.5867, 0.4477, 0.3746

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.



47.6459, 0.3788, 0.4021



47.6459, 0.2318, 0.2745



47.6459, 0.3968, 0.3409

Square

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



47.6459, 0.2318, 0.2745



47.6459, 0.3251, 0.2770



47.6459, 0.4003, 0.3758



47.6459, 0.2959, 0.3906

Rectangle

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



47.6459, 0.2318, 0.2745



47.6459, 0.2683, 0.2576



47.6459, 0.4003, 0.3758



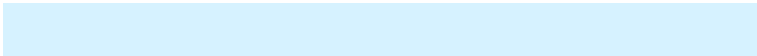
47.6459, 0.3543, 0.4096

Sweetspot

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



47.6477, 0.2318, 0.2745



85.0657, 0.2878, 0.3155



64.5995, 0.2854, 0.4506



17.8292, 0.2846, 0.3136



0.0000, 0.0000, 0.0000



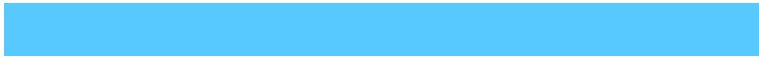
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6477, 0.2318, 0.2745



51.2293, 0.2187, 0.2608



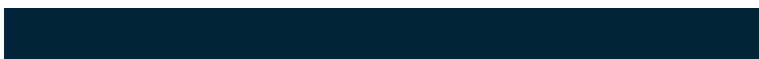
24.9400, 0.2128, 0.1837



16.2671, 0.2981, 0.3213



17.6224, 0.1950, 0.2218



1.5556, 0.1996, 0.2384

Inverse Universe

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



31.8718, 0.3625, 0.2350



32.2676, 0.3773, 0.2205



65.4823, 0.4049, 0.4399



15.2275, 0.3186, 0.3131



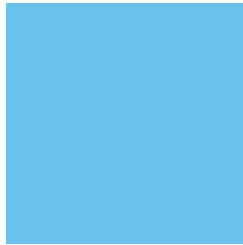
11.2718, 0.4213, 0.2094



0.9025, 0.4039, 0.1999

Previews

White Background



This preview shows how the Yxy color 47.6459, 0.2318, 0.2745 looks on a white background.

Color Contrast Check

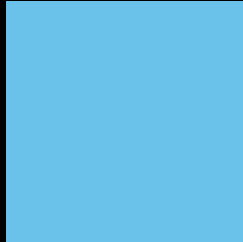
Large Text (above 18pt) WCAG AA × Fail

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 47.6459, 0.2318, 0.2745 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

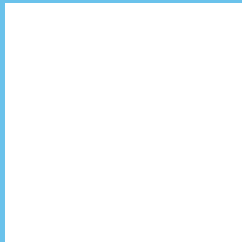
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6459, 0.2318, 0.2745

Background



This preview shows how black text looks on a background with the Yxy color 47.6459, 0.2318, 0.2745.



This preview shows how white text looks on a background with the Yxy color 47.6459, 0.2318, 0.2745.

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

47.6459, 0.2318, 0.2745

Protanopia

47.3094, 0.2729, 0.2732

Deuteranopia

46.9593, 0.2637, 0.2573



Tritanopia

47.8399, 0.2394, 0.3065

Trichromacy



Original Color

47.6459, 0.2318, 0.2745

Protanomaly

47.0709, 0.2555, 0.2739

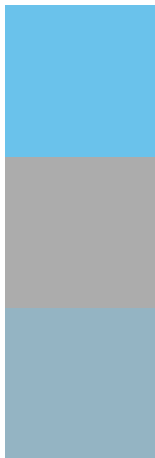
Deuteranomaly

46.5984, 0.2500, 0.2620

Tritanomaly

47.9731, 0.2366, 0.2946

Monochromacy



Original Color

47.6459, 0.2318, 0.2745

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.8785, 0.2759, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6459, 0.2318, 0.2745 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(106, 194, 235)` looks like.

```
.text, #text, p{  
    color:rgb(106, 194, 235)  
}
```

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(106, 194, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 194, 235) }
```

Border

The CSS property to change the border of an element to Yxy 47.6459, 0.2318, 0.2745 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(106, 194, 235) }
```

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

```
.border{ border-color:rgb(106, 194, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 194, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 194, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 194, 235);  
box-shadow:4px 4px 4px 4px rgb(106, 194,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6459, 0.2318, 0.2745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 194, 235) }
```

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

```
.background{ background-color: rgb(106,  
194, 235) }
```

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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