

Converting Colors

$Yxy(47.1666, 0.2274, 0.2580)$

Have a look what the booklet for
Yxy(47.1666, 0.2274, 0.2580)
contains.

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Color

Yxy(47.1666, 0.2274, 0.2580)

Conversions

Conversions Part 1

Format	Color
Hex	6DBFF6
RGB	109, 191, 246
RGB Percent	43%, 75%, 96%
CMY	0.5723, 0.2510, 0.0354
CMYK	0.56, 0.22, 0.00, 0.04
HSL	204°, 88%, 70%
HSV	204°, 56%, 96%
XYZ	41.5724, 47.1666, 94.0773
YIQ	172.7520, -66.5270, -0.2790

Conversions

Conversions Part 2

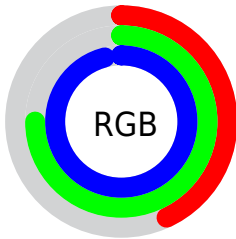
Format	Color
R _Y B	109, 160, 246
Decimal	7192566
CIE Lab	74.30, -9.67, -34.81
CIE LCh	74, 36.124, 254.479
Yxy	47.1666, 0.2274, 0.2580
Android (android.graphics.Color)	4285382646 (0xFF6DBFF6)
YUV	172.7520, 36.1113, -55.9105
Hunter-Lab	68.6779, -12.1360, -33.1428

Details

The Yxy color **47.1666, 0.2274, 0.2580** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.2517, 0.4428, 0.3872**, and the grayscale version is **41.5009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1765, 0.2636, 0.3201**, and **22.3225, 0.2064, 0.2402** is the 20% darker color. If you saturate the color by 10%, you get **41.6566, 0.2147, 0.2425**, and if you desaturate by 10%, it is **53.4069, 0.2416, 0.2730**.

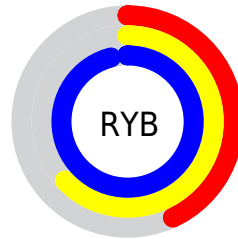
Distribution



Red (43%)

Green (75%)

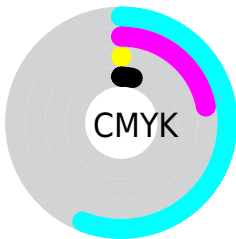
Blue (96%)



Red (43%)

Yellow (63%)

Blue (96%)

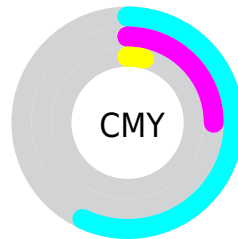


Cyan (56%)

Magenta (22%)

Yellow (0%)

Black (4%)



Cyan (57%)

Magenta (25%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1666, 0.2274, 0.2580 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 47.1666, 0.2274, 0.2580 by changing the saturation by 10% instead.

■ 47.1666, 0.2274,
0.2580

■ 47.1666, 0.2274,
0.2580

■ 375.4791, 0.2683,
0.2930

■ 33.1674, 0.2179,
0.2496

■ 85.9623, 0.2418,
0.2705

■ 22.2547, 0.2061,
0.2390

■ 111.5275, 0.2473,
0.2753

■ 14.0442, 0.1912,
0.2253

■ 141.7168, 0.2520,
0.2794

■ 8.1514, 0.1718,
0.2072

■ 176.9147, 0.2562,
0.2829

■ 4.1920, 0.1460,
0.1824

■ 217.5054, 0.2598,
0.2859

■ 1.7815, 0.1111,
0.1472

■ 263.8735, 0.2629,

■ 0.4756, 0.0406,

0.2886

0.0894

316.4033, 0.2657,
0.2909

0.0000, 0.0000,
0.0000

47.1666, 0.2274,
0.2580

47.1666, 0.2274,
0.2580

41.6566, 0.2147,
0.2425

53.4069, 0.2416,
0.2730

36.8286, 0.2037,
0.2267

60.4110, 0.2567,
0.2871

32.6348, 0.1949,
0.2110


68.2158, 0.2724,
0.3003


29.0152, 0.1883,
0.1958

76.8541, 0.2883,
0.3124

27.5873, 0.1859,
0.1893

86.3563, 0.3040,
0.3233

 96.4400, 0.3183,
0.3331

 99.4320, 0.3179,
0.3376

Harmonies

Analogous

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



47.1666, 0.2221, 0.2870



47.1666, 0.2274, 0.2580



47.1666, 0.2534, 0.2489

Triad

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



47.1666, 0.2274, 0.2580



47.1666, 0.3918, 0.3184



47.1666, 0.3224, 0.4150

Complementary

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



47.1666, 0.2274, 0.2580



47.2517, 0.4428, 0.3872

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.



47.1666, 0.3701, 0.4178



47.1666, 0.2274, 0.2580



47.1666, 0.4127, 0.3582

Square

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



47.1666, 0.2274, 0.2580



47.1666, 0.3478, 0.2830



47.1666, 0.4039, 0.3948



47.1666, 0.2743, 0.3823

Rectangle

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



47.1666, 0.2274, 0.2580



47.1666, 0.2806, 0.2532



47.1666, 0.4039, 0.3948



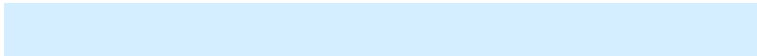
47.1666, 0.3390, 0.4194

Sweetspot

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



47.1683, 0.2274, 0.2580



82.0790, 0.2861, 0.3108



71.8220, 0.2797, 0.4373



17.1539, 0.2829, 0.3084



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.



47.1683, 0.2274, 0.2580



44.4012, 0.2129, 0.2402



24.0090, 0.2080, 0.1665



17.5764, 0.2980, 0.3193



15.0110, 0.1866, 0.1917



1.5203, 0.1919, 0.2107

Inverse Universe

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



34.2975, 0.3769, 0.2445



31.1865, 0.3968, 0.2320



78.5631, 0.4000, 0.4509



16.6491, 0.3200, 0.3149



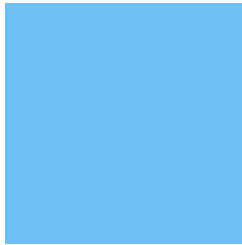
11.6147, 0.4547, 0.2279



1.0411, 0.4333, 0.2161

Previews

White Background



This preview shows how the Yxy color 47.1666, 0.2274, 0.2580 looks on a white background.

Color Contrast Check

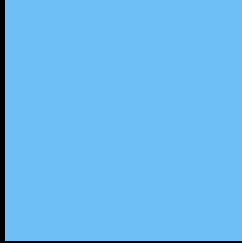
Large Text (above 18pt) WCAG AA × Fail

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 47.1666, 0.2274, 0.2580 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

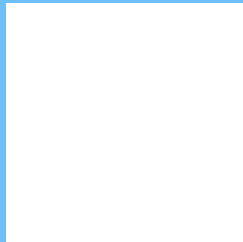
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1666, 0.2274, 0.2580

Background



This preview shows how black text looks on a background with the Yxy color 47.1666, 0.2274, 0.2580.



This preview shows how white text looks on a background with the Yxy color 47.1666, 0.2274, 0.2580.

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

47.1666, 0.2274, 0.2580

Protanopia

46.8639, 0.2617, 0.2591

Deuteranopia

46.6568, 0.2513, 0.2447



Tritanopia

47.2234, 0.2387, 0.3063

Trichromacy



Original Color

47.1666, 0.2274, 0.2580

Protanomaly

46.5920, 0.2472, 0.2585

Deuteranomaly

46.3951, 0.2411, 0.2483

Tritanomaly

47.2332, 0.2345, 0.2880

Monochromacy



Original Color

47.1666, 0.2274, 0.2580

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.2967, 0.2739, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1666, 0.2274, 0.2580 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, 191, 246)` looks like.

```
.text, #text, p{  
    color:rgb(109, 191, 246)  
}
```

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, 191, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 191, 246) }
```

Border

The CSS property to change the border of an element to Yxy 47.1666, 0.2274, 0.2580 is called "border". The border property can be set on classes, ids or directly on the HTML element.

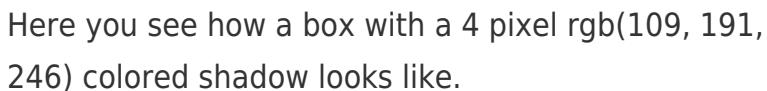
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 191, 246) }
```

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

```
.border{ border-color:rgb(109, 191, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(109, 191, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 191, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 191, 246); box-shadow:4px 4px 4px 4px rgb(109, 191, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1666, 0.2274, 0.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 191, 246) }
```

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

```
.background{ background-color: rgb(109,  
191, 246) }
```

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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