

Converting Colors

$Y_{xy}(47.2490, 0.2359, 0.2576)$

Have a look what the booklet for
Yxy(47.2490, 0.2359, 0.2576)
contains.

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Color

Yxy(47.0710, 0.2355, 0.2565)

Conversions

Conversions Part 1

Format	Color
Hex	7FBCF5
RGB	127, 188, 245
RGB Percent	50%, 74%, 96%
CMY	0.5021, 0.2627, 0.0391
CMYK	0.48, 0.23, 0.00, 0.04
HSL	209°, 86%, 73%
HSV	209°, 48%, 96%
XYZ	43.2172, 47.0710, 93.2244
YIQ	176.2590, -54.6530, 4.7950

Conversions

Conversions Part 2

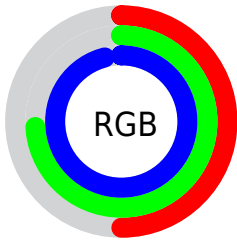
Format	Color
R _Y B	127, 167, 245
Decimal	8371445
CIE Lab	74.24, -4.46, -34.33
CIE LCh	74, 34.623, 262.595
Yxy	47.0710, 0.2355, 0.2565
Android (android.graphics.Color)	4286561525 (0xFF7FBCF5)
YUV	176.2590, 33.8893, -43.2001
Hunter-Lab	68.6083, -7.6252, -32.5370

Details

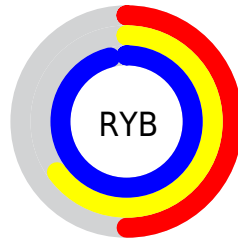
The Yxy color **47.0710, 0.2355, 0.2565** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.2318, 0.4144, 0.3903**, and the grayscale version is **43.3971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2357, 0.2714, 0.3170**, and **22.2310, 0.2156, 0.2369** is the 20% darker color. If you saturate the color by 10%, you get **40.5635, 0.2205, 0.2380**, and if you desaturate by 10%, it is **54.4542, 0.2514, 0.2740**.

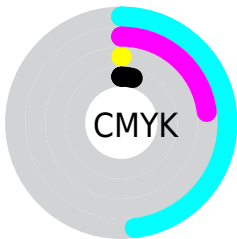
Distribution



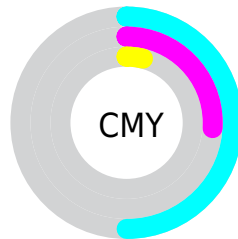
- Red (50%)
- Green (74%)
- Blue (96%)



- Red (50%)
- Yellow (65%)
- Blue (96%)



- Cyan (48%)
- Magenta (23%)
- Yellow (0%)
- Black (4%)



- Cyan (50%)
- Magenta (26%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0710, 0.2355, 0.2565 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 47.0710, 0.2355, 0.2565 by changing the saturation by 10% instead.

■ 47.0710, 0.2355,
0.2565

■ 47.0710, 0.2355,
0.2565

■ 375.0979, 0.2727,
0.2919

■ 33.0918, 0.2267,
0.2480

■ 85.8196, 0.2486,
0.2691

■ 22.1968, 0.2159,
0.2374

■ 111.3578, 0.2537,
0.2739

■ 14.0016, 0.2020,
0.2238

■ 141.5177, 0.2580,
0.2780

■ 8.1217, 0.1838,
0.2059

■ 176.6838, 0.2618,
0.2816

■ 4.1730, 0.1593,
0.1813

■ 217.2405, 0.2650,
0.2847

■ 1.7708, 0.1255,
0.1465

■ 263.5721, 0.2679,

■ 0.4689, 0.0633,

0.2874

0.0881

316.0631, 0.2705,
0.2898

0.0000, 0.0000,
0.0000

47.0710, 0.2355,
0.2565

47.0710, 0.2355,
0.2565

40.5635, 0.2205,
0.2380

54.4542, 0.2514,
0.2740

34.8827, 0.2070,
0.2190

62.7478, 0.2677,
0.2904

29.9819, 0.1953,
0.2000

71.9904, 0.2840,
0.3054

25.8048, 0.1860,
0.1814

82.2168, 0.3000,
0.3190

22.2775, 0.1791,
0.1637

93.4596, 0.3155,
0.3311

■ 21.6900, 0.1780,
0.1606

■ 99.3750, 0.3185,
0.3385

Harmonies

Analogous

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



47.0710, 0.2248, 0.2794



47.0710, 0.2355, 0.2565



47.0710, 0.2656, 0.2526

Triad

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



47.0710, 0.2355, 0.2565



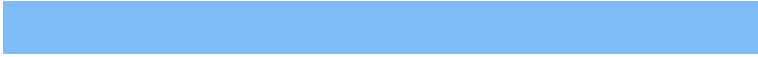
47.0710, 0.3966, 0.3292



47.0710, 0.3092, 0.4053

Complementary

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



47.0710, 0.2355, 0.2565



55.2318, 0.4144, 0.3903

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.



47.0710, 0.3564, 0.4163



47.0710, 0.2355, 0.2565



47.0710, 0.4092, 0.3676

Square

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



47.0710, 0.2355, 0.2565



47.0710, 0.3592, 0.2932



47.0710, 0.3936, 0.4002



47.0710, 0.2650, 0.3679

Rectangle

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



47.0710, 0.2355, 0.2565



47.0710, 0.2943, 0.2598



47.0710, 0.3936, 0.4002



47.0710, 0.3252, 0.4123

Sweetspot

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



47.0727, 0.2355, 0.2565



83.3334, 0.2908, 0.3112



73.2180, 0.2788, 0.4093



17.3284, 0.2873, 0.3082



0.0000, 0.0000, 0.0000



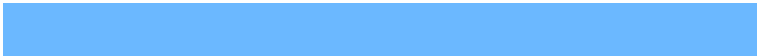
21.4041, 0.3127, 0.3290

Same Dimension

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



47.0727, 0.2355, 0.2565



44.4498, 0.2206, 0.2382



27.3103, 0.2214, 0.1814



17.3438, 0.2980, 0.3173



11.9597, 0.1787, 0.1634



1.2570, 0.1849, 0.1855

Inverse Universe

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



38.2203, 0.3756, 0.2642



35.2384, 0.3955, 0.2529



83.9227, 0.3855, 0.4433



16.6256, 0.3212, 0.3168



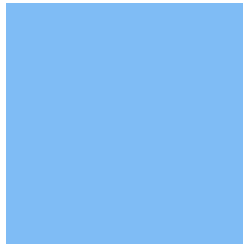
11.3067, 0.4888, 0.2467



1.0145, 0.4620, 0.2319

Previews

White Background



This preview shows how the Yxy color 47.0710, 0.2355, 0.2565 looks on a white background.

Color Contrast Check

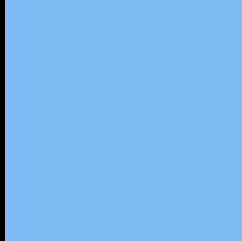
Large Text (above 18pt) WCAG AA × Fail

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 47.0710, 0.2355, 0.2565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

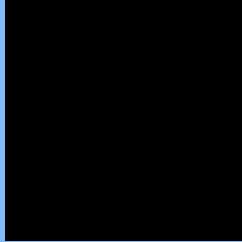
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

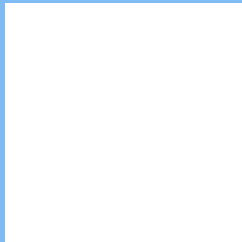
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0710, 0.2355, 0.2565

Background



This preview shows how black text looks on a background with the Yxy color 47.0710, 0.2355, 0.2565.

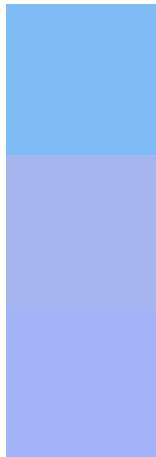


This preview shows how white text looks on a background with the Yxy color 47.0710, 0.2355, 0.2565.

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

47.0710, 0.2355, 0.2565

Protanopia

46.9815, 0.2605, 0.2570

Deuteranopia

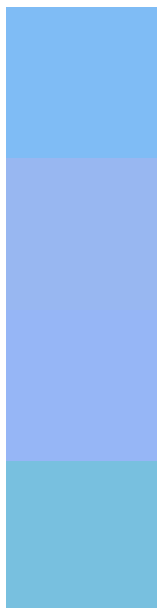
46.7421, 0.2537, 0.2470



Tritanopia

46.9497, 0.2490, 0.3067

Trichromacy



Original Color

47.0710, 0.2355, 0.2565

Protanomaly

46.8932, 0.2507, 0.2569

Deuteranomaly

46.5937, 0.2466, 0.2501

Tritanomaly

47.0201, 0.2438, 0.2872

Monochromacy



Original Color

47.0710, 0.2355, 0.2565

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.1287, 0.2792, 0.3008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0710, 0.2355, 0.2565 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(127, 188, 245)` looks like.

```
.text, #text, p{  
    color:rgb(127, 188, 245)  
}
```

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(127, 188, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 188, 245) }
```

Border

The CSS property to change the border of an element to Yxy 47.0710, 0.2355, 0.2565 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(127, 188, 245) }
```

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

```
.border{ border-color:rgb(127, 188, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 188, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 188, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 188, 245); box-shadow:4px 4px 4px 4px rgb(127, 188, 245) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0710, 0.2355, 0.2565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 188, 245) }
```

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

```
.background{ background-color: rgb(127,  
188, 245) }
```

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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