

Converting Colors

$Yxy(47.0851, 0.2407, 0.2608)$

Have a look what the booklet for
Yxy(47.0851, 0.2407, 0.2608)
contains.

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Color

Yxy(46.8781, 0.2404, 0.2602)

Conversions

Conversions Part 1

Format	Color
Hex	85BBF1
RGB	133, 187, 241
RGB Percent	52%, 73%, 95%
CMY	0.4787, 0.2666, 0.0550
CMYK	0.45, 0.22, 0.00, 0.05
HSL	210°, 79%, 73%
HSV	210°, 45%, 95%
XYZ	43.3109, 46.8781, 89.9728
YIQ	177.0100, -49.5180, 5.3460

Conversions

Conversions Part 2

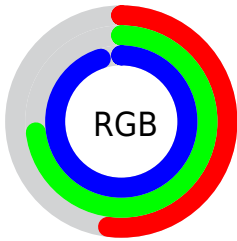
Format	Color
R _Y B	133, 169, 241
Decimal	8764401
CIE Lab	74.11, -3.65, -32.31
CIE LCh	74, 32.519, 263.550
Yxy	46.8781, 0.2404, 0.2602
Android (android.graphics.Color)	4286954481 (0xFF85BBF1)
YUV	177.0100, 31.5471, -38.5968
Hunter-Lab	68.4676, -6.9036, -29.9853

Details

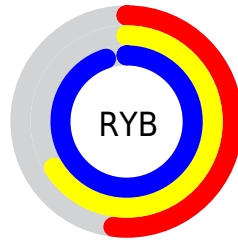
The Yxy color **46.8781, 0.2404, 0.2602** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.8914, 0.4044, 0.3881**, and the grayscale version is **43.8171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2683, 0.2740, 0.3160**, and **22.0895, 0.2216, 0.2416** is the 20% darker color. If you saturate the color by 10%, you get **40.2436, 0.2248, 0.2414**, and if you desaturate by 10%, it is **54.3940, 0.2567, 0.2780**.

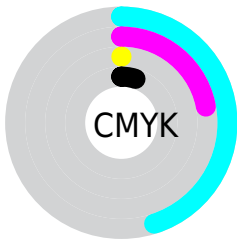
Distribution



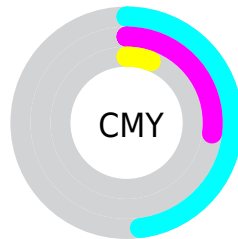
- Red (52%)
- Green (73%)
- Blue (95%)



- Red (52%)
- Yellow (66%)
- Blue (95%)



- Cyan (45%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)



- Cyan (48%)
- Magenta (27%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8781, 0.2404, 0.2602 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 46.8781, 0.2404, 0.2602 by changing the saturation by 10% instead.

■ 46.8781, 0.2404,
0.2602

■ 46.8781, 0.2404,
0.2602

■ 374.3277, 0.2754,
0.2939

■ 32.9393, 0.2321,
0.2521

■ 85.5316, 0.2528,
0.2722

■ 22.0799, 0.2218,
0.2420

■ 111.0152, 0.2576,
0.2768

■ 13.9157, 0.2085,
0.2289

■ 141.1157, 0.2616,
0.2807

■ 8.0620, 0.1910,
0.2115

■ 176.2177, 0.2651,
0.2841

■ 4.1347, 0.1672,
0.1876

■ 216.7055, 0.2682,
0.2870

■ 1.7492, 0.1338,
0.1533

■ 262.9635, 0.2709,

■ 0.4552, 0.0702,

0.2896

0.0931

315.3761, 0.2733,
0.2919

0.0000, 0.0000,
0.0000

46.8781, 0.2404,
0.2602

46.8781, 0.2404,
0.2602

40.2436, 0.2248,
0.2414

54.3940, 0.2567,
0.2780

34.4437, 0.2105,
0.2218

62.8244, 0.2731,
0.2944

29.4341, 0.1980,
0.2021

72.2068, 0.2895,
0.3095

25.1626, 0.1876,
0.1827

82.5746, 0.3053,
0.3230

21.5671, 0.1798,
0.1643

93.9595, 0.3204,
0.3351

■ 19.9317, 0.1764,
0.1552

■ 99.1300, 0.3209,
0.3425

Harmonies

Analogous

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



46.8781, 0.2296, 0.2815



46.8781, 0.2404, 0.2602



46.8781, 0.2695, 0.2569

Triad

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



46.8781, 0.2404, 0.2602



46.8781, 0.3923, 0.3306



46.8781, 0.3082, 0.3997

Complementary

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



46.8781, 0.2404, 0.2602



55.8914, 0.4044, 0.3881

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.



46.8781, 0.3528, 0.4110



46.8781, 0.2404, 0.2602



46.8781, 0.4034, 0.3669

Square

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



46.8781, 0.2404, 0.2602



46.8781, 0.3579, 0.2963



46.8781, 0.3881, 0.3971



46.8781, 0.2667, 0.3641

Rectangle

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



46.8781, 0.2404, 0.2602



46.8781, 0.2969, 0.2640



46.8781, 0.3881, 0.3971



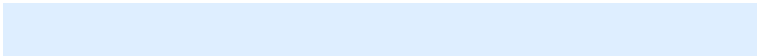
46.8781, 0.3233, 0.4065

Sweetspot

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



46.8799, 0.2404, 0.2602



84.1327, 0.2923, 0.3120



71.3935, 0.2796, 0.4001



17.4724, 0.2888, 0.3089



0.0000, 0.0000, 0.0000



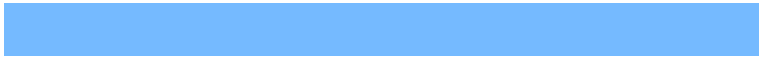
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8799, 0.2404, 0.2602



46.2335, 0.2259, 0.2427



28.5871, 0.2283, 0.1910



16.5360, 0.2980, 0.3169



11.0799, 0.1772, 0.1580



1.1207, 0.1838, 0.1818

Inverse Universe

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



39.0454, 0.3713, 0.2704



37.6072, 0.3898, 0.2594



82.2315, 0.3800, 0.4376



15.8908, 0.3215, 0.3172



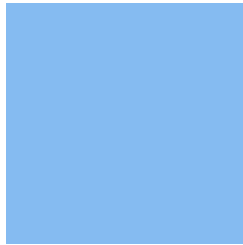
10.9119, 0.4956, 0.2504



0.9279, 0.4664, 0.2343

Previews

White Background



This preview shows how the Yxy color 46.8781, 0.2404, 0.2602 looks on a white background.

Color Contrast Check

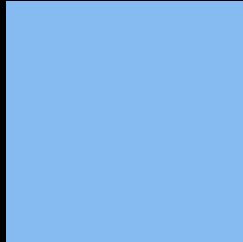
Large Text (above 18pt) WCAG AA × Fail

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 46.8781, 0.2404, 0.2602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

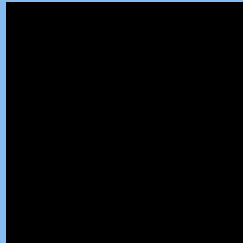
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

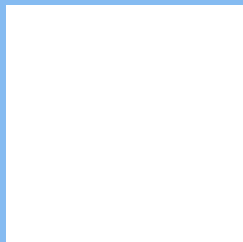
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8781, 0.2404, 0.2602

Background



This preview shows how black text looks on a background with the Yxy color 46.8781, 0.2404, 0.2602.

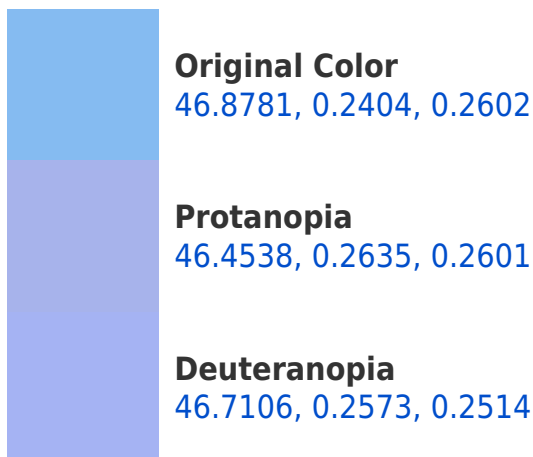


This preview shows how white text looks on a background with the Yxy color 46.8781, 0.2404, 0.2602.

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





Tritanopia

46.9791, 0.2543, 0.3082

Trichromacy



Original Color

46.8781, 0.2404, 0.2602

Protanomaly

46.5389, 0.2547, 0.2603

Deuteranomaly

46.6390, 0.2506, 0.2547

Tritanomaly

46.9409, 0.2489, 0.2900

Monochromacy



Original Color

46.8781, 0.2404, 0.2602

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.7949, 0.2823, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8781, 0.2404, 0.2602 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(133, 187, 241)` looks like.

```
.text, #text, p{  
    color:rgb(133, 187, 241)  
}
```

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(133, 187, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 187, 241) }
```

Border

The CSS property to change the border of an element to Yxy 46.8781, 0.2404, 0.2602 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(133, 187, 241) }
```

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

```
.border{ border-color:rgb(133, 187, 241) }
```

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

Here you see how a box with a 4 pixel rgb(133, 187, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 187, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 187, 241);  
box-shadow:4px 4px 4px 4px rgb(133, 187,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8781, 0.2404, 0.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 187, 241) }
```

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

```
.background{ background-color: rgb(133,  
187, 241) }
```

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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