

Converting Colors

$Yxy(46.8004, 0.2431, 0.2753)$

Have a look what the booklet for
Yxy(46.8004, 0.2431, 0.2753)
contains.

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Color

Yxy(46.6204, 0.2432, 0.2750)

Conversions

Conversions Part 1

Format	Color
Hex	7FBDE6
RGB	127, 189, 230
RGB Percent	50%, 74%, 90%
CMY	0.5020, 0.2588, 0.0981
CMYK	0.45, 0.18, 0.00, 0.10
HSL	204°, 67%, 70%
HSV	204°, 45%, 90%
XYZ	41.2294, 46.6204, 81.6789
YIQ	175.1360, -50.1130, -0.3930

Conversions

Conversions Part 2

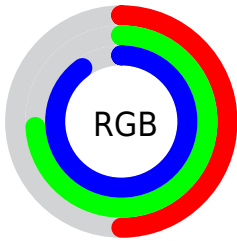
Format	Color
R_{YB}	127, 166, 230
Decimal	8371686
CIE _{Lab}	73.95, -9.21, -26.64
CIE _{LCh}	74, 28.190, 250.941
Yxy	46.6204, 0.2432, 0.2750
Android (android.graphics.Color)	4286561766 (0xFF7FBDE6)
YUV	175.1360, 27.0480, -42.2153
Hunter-Lab	68.2791, -11.7038, -23.1303

Details

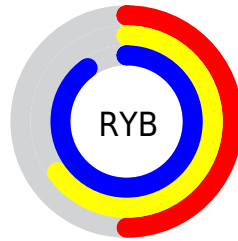
The Yxy color **46.6204, 0.2432, 0.2750** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **46.3456, 0.4097, 0.3763**, and the grayscale version is **42.8197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7152, 0.2710, 0.3181**, and **21.9664, 0.2252, 0.2608** is the 20% darker color. If you saturate the color by 10%, you get **41.2400, 0.2290, 0.2603**, and if you desaturate by 10%, it is **52.6557, 0.2583, 0.2889**.

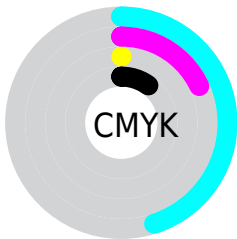
Distribution



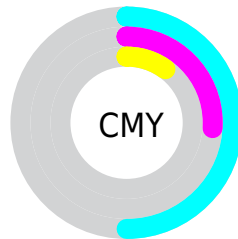
- Red (50%)
- Green (74%)
- Blue (90%)



- Red (50%)
- Yellow (65%)
- Blue (90%)



- Cyan (45%)
- Magenta (18%)
- Yellow (0%)
- Black (10%)



- Cyan (50%)
- Magenta (26%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6204, 0.2432, 0.2750 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 46.6204, 0.2432, 0.2750 by changing the saturation by 10% instead.

■ 46.6204, 0.2432,
0.2750

■ 46.6204, 0.2432,
0.2750

■ 373.2973, 0.2770,
0.3020

■ 32.7357, 0.2352,
0.2683

■ 85.1467, 0.2552,
0.2848

■ 21.9240, 0.2251,
0.2599

■ 110.5571, 0.2598,
0.2884

■ 13.8011, 0.2121,
0.2488

■ 140.5782, 0.2637,
0.2916

■ 7.9824, 0.1949,
0.2337

■ 175.5943, 0.2671,
0.2943

■ 4.0837, 0.1711,
0.2123

■ 215.9898, 0.2700,
0.2966

■ 1.7205, 0.1370,
0.1800

■ 262.1493, 0.2726,

■ 0.4369, 0.0512,

0.2986

0.1174

314.4570, 0.2749,
0.3004

0.0000, 0.0000,
0.0000

46.6204, 0.2432,
0.2750

46.6204, 0.2432,
0.2750

41.2400, 0.2290,
0.2603

52.6557, 0.2583,
0.2889

36.4769, 0.2162,
0.2450

59.3702, 0.2740,
0.3018

32.2968, 0.2051,
0.2295

66.7930, 0.2897,
0.3136

28.6586, 0.1961,
0.2140

74.9499, 0.3054,
0.3243

25.5129, 0.1893,
0.1988

83.8650, 0.3206,
0.3339

■ 24.0293, 0.1864,
0.1911

■ 91.6193, 0.3285,
0.3427

■ 97.2606, 0.3276,
0.3514

■ 98.4925, 0.3274,
0.3532

Harmonies

Analogous

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



46.6204, 0.2410, 0.3004



46.6204, 0.2432, 0.2750



46.6204, 0.2625, 0.2651

Triad

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



46.6204, 0.2432, 0.2750



46.6204, 0.3712, 0.3176



46.6204, 0.3258, 0.3968

Complementary

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



46.6204, 0.2432, 0.2750



46.3456, 0.4097, 0.3763

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.



46.6204, 0.3624, 0.3976



46.6204, 0.2432, 0.2750



46.6204, 0.3901, 0.3496

Square

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



46.6204, 0.2432, 0.2750



46.6204, 0.3358, 0.2895



46.6204, 0.3865, 0.3790



46.6204, 0.2871, 0.3740

Rectangle

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



46.6204, 0.2432, 0.2750



46.6204, 0.2835, 0.2672



46.6204, 0.3865, 0.3790



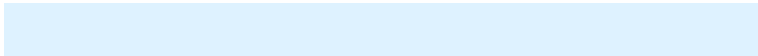
46.6204, 0.3388, 0.3996

Sweetspot

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



46.6222, 0.2432, 0.2750



86.1178, 0.2924, 0.3155



63.8684, 0.2852, 0.4143



17.9626, 0.2889, 0.3130



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.



46.6222, 0.2432, 0.2750



52.4311, 0.2297, 0.2610



28.6895, 0.2310, 0.2054



15.3237, 0.2981, 0.3194



13.8509, 0.1871, 0.1935



1.2039, 0.1932, 0.2153

Inverse Universe

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



35.6706, 0.3593, 0.2594



38.2328, 0.3738, 0.2460



68.4808, 0.3844, 0.4279



14.5130, 0.3199, 0.3149



10.5960, 0.4528, 0.2268



0.8012, 0.4283, 0.2133

Previews

White Background



This preview shows how the Yxy color 46.6204, 0.2432, 0.2750 looks on a white background.

Color Contrast Check

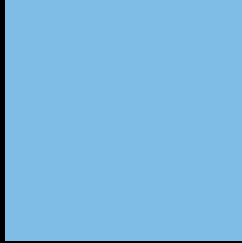
Large Text (above 18pt) WCAG AA × Fail

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 46.6204, 0.2432, 0.2750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

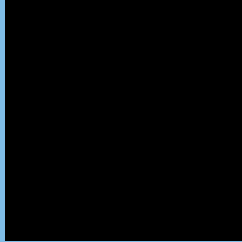
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6204, 0.2432, 0.2750

Background



This preview shows how black text looks on a background with the Yxy color 46.6204, 0.2432, 0.2750.



This preview shows how white text looks on a background with the Yxy color 46.6204, 0.2432, 0.2750.

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

46.6204, 0.2432, 0.2750

Protanopia

46.2258, 0.2740, 0.2739

Deuteranopia

46.3249, 0.2680, 0.2626



Tritanopia

46.7589, 0.2526, 0.3081

Trichromacy



Original Color

46.6204, 0.2432, 0.2750

Protanomaly

46.3265, 0.2613, 0.2740

Deuteranomaly

46.1940, 0.2582, 0.2670

Tritanomaly

46.8681, 0.2491, 0.2962

Monochromacy



Original Color

46.6204, 0.2432, 0.2750

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.8517, 0.2834, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6204, 0.2432, 0.2750 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, 189, 230)` looks like.

```
.text, #text, p{  
    color:rgb(127, 189, 230)  
}
```

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, 189, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 189, 230) }
```

Border

The CSS property to change the border of an element to Yxy 46.6204, 0.2432, 0.2750 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, 189, 230) }
```

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

```
.border{ border-color:rgb(127, 189, 230) }
```

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

Here you see how a box with a 4 pixel rgb(127, 189, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 189, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 189, 230);  
box-shadow:4px 4px 4px 4px rgb(127, 189,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6204, 0.2432, 0.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 189, 230) }
```

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

```
.background{ background-color: rgb(127,  
189, 230) }
```

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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