

Converting Colors

$Y_{xy}(46.7039, 0.2404, 0.2612)$

Have a look what the booklet for
Yxy(46.7039, 0.2404, 0.2612)
contains.

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Color

Yxy(46.7375, 0.2404, 0.2612)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 84BBF0 |
| RGB | 132, 187, 240 |
| RGB Percent | 52%, 73%, 94% |
| CMY | 0.4822, 0.2667, 0.0589 |
| CMYK | 0.45, 0.22, 0.00, 0.06 |
| HSL | 209°, 78%, 73% |
| HSV | 209°, 45%, 94% |
| XYZ | 43.0157, 46.7375, 89.1806 |
| YIQ | 176.5970, -49.7930, 4.8230 |

Conversions

Conversions Part 2

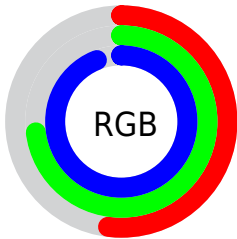
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 132, 168, 240 |
| Decimal | 8698864 |
| CIE Lab | 74.02, -4.14, -31.92 |
| CIE LCh | 74, 32.184, 262.608 |
| Yxy | 46.7375, 0.2404, 0.2612 |
| Android (android.graphics.Color) | 4286888944 (0xFF84BBF0) |
| YUV | 176.5970, 31.2577, -39.1116 |
| Hunter-Lab | 68.3648, -7.3249, -29.4873 |

Details

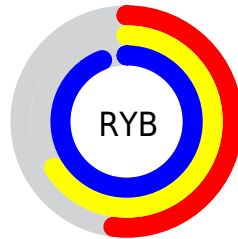
The Yxy color **46.7375, 0.2404, 0.2612** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.8954, 0.4053, 0.3873**, and the grayscale version is **43.6010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1400, 0.2735, 0.3160**, and **22.0067, 0.2216, 0.2428** is the 20% darker color. If you saturate the color by 10%, you get **40.2267, 0.2250, 0.2427**, and if you desaturate by 10%, it is **54.1067, 0.2566, 0.2787**.

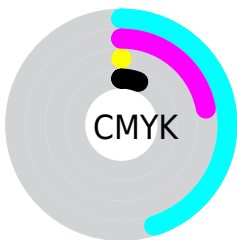
Distribution



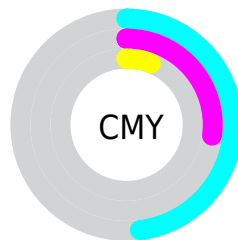
- Red (52%)
- Green (73%)
- Blue (94%)



- Red (52%)
- Yellow (66%)
- Blue (94%)



- Cyan (45%)
- Magenta (22%)
- Yellow (0%)
- Black (6%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7375, 0.2404, 0.2612 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 46.7375, 0.2404, 0.2612 by changing the saturation by 10% instead.

■ 46.7375, 0.2404,
0.2612

■ 46.7375, 0.2404,
0.2612

■ 373.7658, 0.2754,
0.2945

■ 32.8282, 0.2321,
0.2532

■ 85.3217, 0.2528,
0.2731

■ 21.9949, 0.2217,
0.2432

■ 110.7653, 0.2576,
0.2776

■ 13.8531, 0.2084,
0.2302

■ 140.8225, 0.2616,
0.2815

■ 8.0186, 0.1909,
0.2129

■ 175.8777, 0.2652,
0.2848

■ 4.1068, 0.1670,
0.1890

■ 216.3152, 0.2682,
0.2877

■ 1.7335, 0.1334,
0.1547

■ 262.5194, 0.2709,

■ 0.4452, 0.0677,

0.2902

0.0936

314.8748, 0.2733,
0.2925

0.0000, 0.0000,
0.0000

46.7375, 0.2404,
0.2612

46.7375, 0.2404,
0.2612

40.2267, 0.2250,
0.2427

54.1067, 0.2566,
0.2787

34.5285, 0.2108,
0.2235

62.3666, 0.2730,
0.2948

29.5994, 0.1984,
0.2041

71.5537, 0.2892,
0.3096

25.3884, 0.1882,
0.1851

81.7007, 0.3051,
0.3229

21.8346, 0.1805,
0.1669

92.8386, 0.3202,
0.3348

■ 20.2576, 0.1773,
0.1581

■ 99.0705, 0.3215,
0.3434

Harmonies

Analogous

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



46.7375, 0.2303, 0.2829



46.7375, 0.2404, 0.2612



46.7375, 0.2688, 0.2574

Triad

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



46.7375, 0.2404, 0.2612



46.7375, 0.3908, 0.3295



46.7375, 0.3096, 0.3997

Complementary

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



46.7375, 0.2404, 0.2612



54.8954, 0.4053, 0.3873

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.



46.7375, 0.3537, 0.4102



46.7375, 0.2404, 0.2612



46.7375, 0.4026, 0.3655

Square

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



46.7375, 0.2404, 0.2612



46.7375, 0.3561, 0.2956



46.7375, 0.3883, 0.3957



46.7375, 0.2683, 0.3651

Rectangle

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



46.7375, 0.2404, 0.2612



46.7375, 0.2957, 0.2641



46.7375, 0.3883, 0.3957



46.7375, 0.3246, 0.4062

Sweetspot

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



46.7393, 0.2404, 0.2612



84.3005, 0.2923, 0.3123



70.6897, 0.2795, 0.4004



17.5138, 0.2888, 0.3092



0.0000, 0.0000, 0.0000



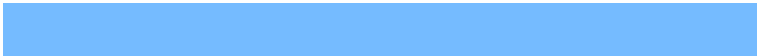
21.4041, 0.3127, 0.3290

Same Dimension

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



46.7393, 0.2404, 0.2612



46.7392, 0.2262, 0.2442



28.2023, 0.2280, 0.1905



16.5594, 0.2980, 0.3171



11.3580, 0.1780, 0.1609



1.1441, 0.1846, 0.1844

Inverse Universe

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



38.6220, 0.3706, 0.2692



37.6582, 0.3884, 0.2582



81.4477, 0.3802, 0.4379



15.8932, 0.3213, 0.3170



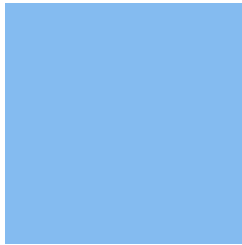
10.9400, 0.4919, 0.2484



0.9302, 0.4633, 0.2326

Previews

White Background



This preview shows how the Yxy color 46.7375, 0.2404, 0.2612 looks on a white background.

Color Contrast Check

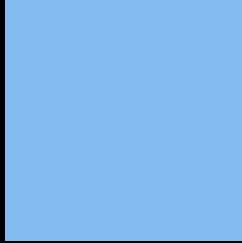
Large Text (above 18pt) WCAG AA × Fail

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 46.7375, 0.2404, 0.2612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

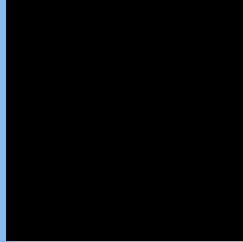
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

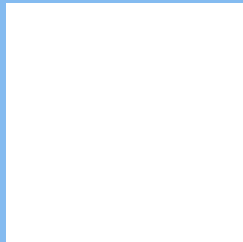
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7375, 0.2404, 0.2612

Background



This preview shows how black text looks on a background with the Yxy color 46.7375, 0.2404, 0.2612.



This preview shows how white text looks on a background with the Yxy color 46.7375, 0.2404, 0.2612.

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

46.7375, 0.2404, 0.2612

Protanopia

46.3962, 0.2641, 0.2612

Deuteranopia

46.6503, 0.2579, 0.2524



Tritanopia

46.9049, 0.2537, 0.3081

Trichromacy



Original Color

46.7375, 0.2404, 0.2612

Protanomaly

46.3821, 0.2546, 0.2613

Deuteranomaly

46.5791, 0.2512, 0.2558

Tritanomaly

46.8645, 0.2484, 0.2899

Monochromacy



Original Color

46.7375, 0.2404, 0.2612

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 46.7375, 0.2404, 0.2612 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(132, 187, 240)` looks like.

```
.text, #text, p{  
    color:rgb(132, 187, 240)  
}
```

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(132, 187, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 187, 240) }
```

Border

The CSS property to change the border of an element to Yxy 46.7375, 0.2404, 0.2612 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(132, 187, 240) }
```

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

```
.border{ border-color:rgb(132, 187, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 187, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 187, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 187, 240);  
box-shadow:4px 4px 4px 4px rgb(132, 187,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7375, 0.2404, 0.2612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 187, 240) }
```

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

```
.background{ background-color: rgb(132,  
187, 240) }
```

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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