

Converting Colors

$Y_{xy}(41.8879, 0.2402, 0.2794)$

Have a look what the booklet for
Yxy(41.8879, 0.2402, 0.2794)
contains.

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Color

Yxy(41.9764, 0.2406, 0.2801)

Conversions

Conversions Part 1

Format	Color
Hex	71B6D9
RGB	113, 182, 217
RGB Percent	44%, 71%, 85%
CMY	0.5570, 0.2862, 0.1491
CMYK	0.48, 0.16, 0.00, 0.15
HSL	200°, 58%, 65%
HSV	200°, 48%, 85%
XYZ	36.0568, 41.9764, 71.8289
YIQ	165.3590, -52.3590, -3.7430

Conversions

Conversions Part 2

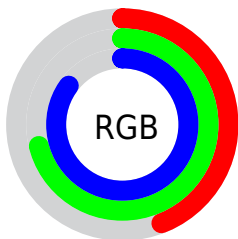
Format	Color
R _{YB}	113, 154, 217
Decimal	7452377
CIE Lab	70.85, -12.42, -24.36
CIE LCh	71, 27.339, 242.981
Yxy	41.9764, 0.2406, 0.2801
Android (android.graphics.Color)	4285642457 (0xFF71B6D9)
YUV	165.3590, 25.4590, -45.9188
Hunter-Lab	64.7892, -14.0413, -20.3798

Details

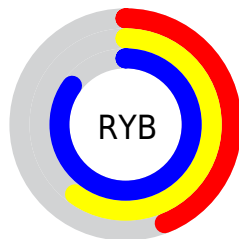
The Yxy color **41.9764, 0.2406, 0.2801** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **37.1001, 0.4224, 0.3717**, and the grayscale version is **37.7002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9151, 0.2628, 0.3100**, and **19.1214, 0.2212, 0.2652** is the 20% darker color. If you saturate the color by 10%, you get **37.7965, 0.2277, 0.2677**, and if you desaturate by 10%, it is **46.6590, 0.2547, 0.2919**.

Distribution



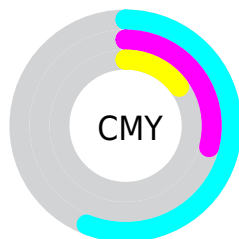
- Red (44%)
- Green (71%)
- Blue (85%)



- Red (44%)
- Yellow (60%)
- Blue (85%)



- Cyan (48%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)



- Cyan (56%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9764, 0.2406, 0.2801 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 41.9764, 0.2406, 0.2801 by changing the saturation by 10% instead.

■ 41.9764, 0.2406,
0.2801

■ 41.9764, 0.2406,
0.2801

■ 354.3851, 0.2762,
0.3053

■ 29.0828, 0.2320,
0.2737

■ 78.1639, 0.2534,
0.2894

■ 19.1435, 0.2210,
0.2654

■ 102.2266, 0.2582,
0.2928

■ 11.7740, 0.2068,
0.2543

■ 130.7812, 0.2623,
0.2957

■ 6.5900, 0.1877,
0.2389

■ 164.2119, 0.2659,
0.2982

■ 3.2070, 0.1609,
0.2161

■ 202.9033, 0.2690,
0.3003

■ 1.2408, 0.1219,
0.1803

■ 247.2397, 0.2717,

■ 0.0946, 0.0000,

0.3022

0.0436

297.6055, 0.2741,
0.3038

0.0000, 0.0000,
0.0000

41.9764, 0.2406,
0.2801

41.9764, 0.2406,
0.2801

37.7965, 0.2277,
0.2677

46.6590, 0.2547,
0.2919

34.0874, 0.2163,
0.2550

51.8644, 0.2697,
0.3029

30.8200, 0.2068,
0.2420

57.6170, 0.2850,
0.3130

27.9585, 0.1993,
0.2291

63.9379, 0.3005,
0.3223

25.4533, 0.1938,
0.2165

70.8471, 0.3159,
0.3307

■ 24.9640, 0.1928,
0.2139

■ 78.3634, 0.3308,
0.3381

■ 84.5870, 0.3383,
0.3451

■ 88.8045, 0.3373,
0.3522

■ 93.1948, 0.3362,
0.3592

Harmonies

Analogous

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



41.9764, 0.2432, 0.3093



41.9764, 0.2406, 0.2801



41.9764, 0.2556, 0.2659

Triad

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



41.9764, 0.2406, 0.2801



41.9764, 0.3632, 0.3094



41.9764, 0.3362, 0.3995

Complementary

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



41.9764, 0.2406, 0.2801



37.1001, 0.4224, 0.3717

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.



41.9764, 0.3707, 0.3945



41.9764, 0.2406, 0.2801



41.9764, 0.3875, 0.3411

Square

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



41.9764, 0.2406, 0.2801



41.9764, 0.3252, 0.2832



41.9764, 0.3900, 0.3721



41.9764, 0.2969, 0.3822

Rectangle

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



41.9764, 0.2406, 0.2801



41.9764, 0.2743, 0.2653



41.9764, 0.3900, 0.3721



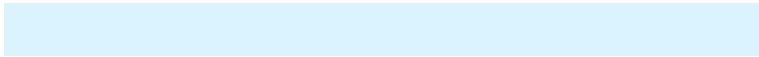
41.9764, 0.3488, 0.4003

Sweetspot

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



41.9780, 0.2406, 0.2801



86.4267, 0.2909, 0.3167



55.2482, 0.2868, 0.4291



18.0831, 0.2876, 0.3146



0.0000, 0.0000, 0.0000



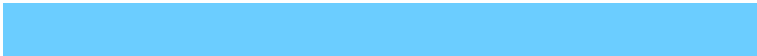
21.4041, 0.3127, 0.3290

Same Dimension

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



41.9780, 0.2406, 0.2801



54.1477, 0.2269, 0.2670



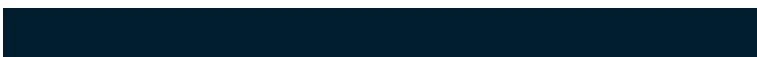
24.5651, 0.2263, 0.2033



14.0537, 0.2982, 0.3210



15.3181, 0.1933, 0.2157



1.1489, 0.1990, 0.2363

Inverse Universe

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



29.9305, 0.3560, 0.2481



36.2175, 0.3698, 0.2327



57.0819, 0.3918, 0.4288



13.1965, 0.3189, 0.3136



10.1701, 0.4279, 0.2131



0.6747, 0.4061, 0.2011

Previews

White Background



This preview shows how the Yxy color 41.9764, 0.2406, 0.2801 looks on a white background.

Color Contrast Check

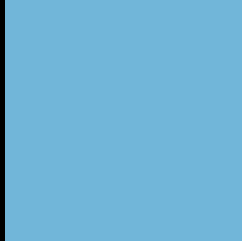
Large Text (above 18pt) WCAG AA × Fail

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 41.9764, 0.2406, 0.2801 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 41.9764, 0.2406, 0.2801

Background



This preview shows how black text looks on a background with the Yxy color 41.9764, 0.2406, 0.2801.

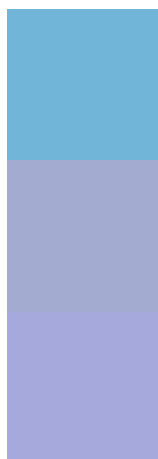


This preview shows how white text looks on a background with the Yxy color 41.9764, 0.2406, 0.2801.

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

41.9764, 0.2406, 0.2801

Protanopia

41.6218, 0.2774, 0.2790

Deuteranopia

41.5426, 0.2704, 0.2635



Tritanopia

42.0562, 0.2479, 0.3070

Trichromacy



Original Color

41.9764, 0.2406, 0.2801

Protanomaly

41.4332, 0.2618, 0.2789

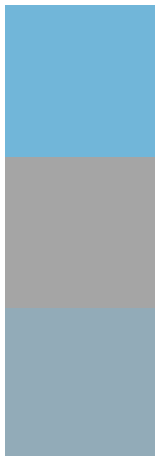
Deuteranomaly

41.4976, 0.2579, 0.2691

Tritanomaly

42.0522, 0.2454, 0.2973

Monochromacy



Original Color

41.9764, 0.2406, 0.2801

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.6975, 0.2811, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9764, 0.2406, 0.2801 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(113, 182, 217)` looks like.

```
.text, #text, p{  
    color:rgb(113, 182, 217)  
}
```

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(113, 182, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 182, 217) }
```

Border

The CSS property to change the border of an element to Yxy 41.9764, 0.2406, 0.2801 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(113, 182, 217) }
```

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

```
.border{ border-color:rgb(113, 182, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 182, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 182, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 182, 217);  
box-shadow:4px 4px 4px 4px rgb(113, 182,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9764, 0.2406, 0.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 182, 217) }
```

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

```
.background{ background-color: rgb(113,  
182, 217) }
```

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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