

Converting Colors

$Y_{xy}(46.6928, 0.2460, 0.2993)$

Have a look what the booklet for
Yxy(46.6928, 0.2460, 0.2993)
contains.

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Color

Yxy(46.6398, 0.2461, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	73C1D6
RGB	115, 193, 214
RGB Percent	45%, 76%, 84%
CMY	0.5492, 0.2431, 0.1608
CMYK	0.46, 0.10, 0.00, 0.16
HSL	193°, 55%, 65%
HSV	193°, 46%, 84%
XYZ	38.2729, 46.6398, 70.6051
YIQ	172.0720, -53.2290, -10.0050

Conversions

Conversions Part 2

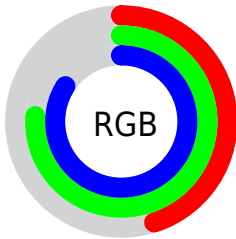
Format	Color
RYB	115, 159, 214
Decimal	7586262
CIELab	73.96, -18.53, -18.01
CIElCh	74, 25.840, 224.181
Yxy	46.6398, 0.2461, 0.2999
Android (android.graphics.Color)	4285776342 (0xFF73C1D6)
YUV	172.0720, 20.6705, -50.0521
Hunter-Lab	68.2933, -19.4784, -13.4917

Details

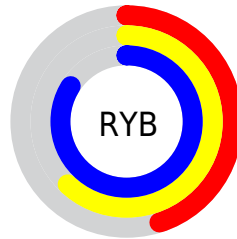
The Yxy color **46.6398, 0.2461, 0.2999** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.1262, 0.4249, 0.3552**, and the grayscale version is **41.2024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3619, 0.2655, 0.3234**, and **21.8383, 0.2287, 0.2907** is the 20% darker color. If you saturate the color by 10%, you get **43.3812, 0.2346, 0.2925**, and if you desaturate by 10%, it is **50.3002, 0.2590, 0.3070**.

Distribution



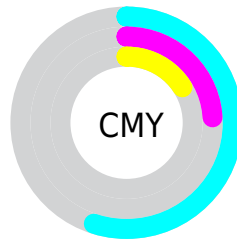
- Red (45%)
- Green (76%)
- Blue (84%)



- Red (45%)
- Yellow (62%)
- Blue (84%)



- Cyan (46%)
- Magenta (10%)
- Yellow (0%)
- Black (16%)





- Cyan (55%)
- Magenta (24%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6398, 0.2461, 0.2999 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 46.6398, 0.2461, 0.2999 by changing the saturation by 10% instead.


 46.6398, 0.2461,
0.2999


 46.6398, 0.2461,
0.2999


373.3749, 0.2785,
0.3151


 32.7510, 0.2383,
0.2960


 85.1757, 0.2577,
0.3055

 21.9358, 0.2285,
0.2908


 110.5916, 0.2621,
0.3076

 13.8097, 0.2158,
0.2838


 140.6186, 0.2658,
0.3094

 7.9884, 0.1988,
0.2740

175.6412, 0.2691,
0.3109

 4.0875, 0.1750,
0.2590

216.0438, 0.2719,
0.3121

 1.7227, 0.1399,
0.2343

262.2106, 0.2744,

 0.4383, 0.0000,

0.3133

0.1827

314.5262, 0.2766,
0.3142

0.0000, 0.0000,
0.0000

46.6398, 0.2461,
0.2999

46.6398, 0.2461,
0.2999

43.3812, 0.2346,
0.2925

50.3002, 0.2590,
0.3070

40.4948, 0.2247,
0.2848

54.3789, 0.2731,
0.3137

37.9551, 0.2167,
0.2770


58.8978, 0.2878,
0.3200

35.7305, 0.2106,
0.2692

63.8756, 0.3031,
0.3257

33.7811, 0.2065,
0.2615

69.3299, 0.3184,
0.3309

 33.1005, 0.2052,
0.2586

 75.2772, 0.3337,
0.3355

 79.8358, 0.3416,
0.3399

 82.3174, 0.3409,
0.3444

 84.8645, 0.3402,
0.3489

Harmonies

Analogous

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



46.6398, 0.2588, 0.3327



46.6398, 0.2461, 0.2999



46.6398, 0.2499, 0.2777

Triad

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



46.6398, 0.2461, 0.2999



46.6398, 0.3379, 0.2950



46.6398, 0.3553, 0.3927

Complementary

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



46.6398, 0.2461, 0.2999



33.1262, 0.4249, 0.3552

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.



46.6398, 0.3789, 0.3777



46.6398, 0.2461, 0.2999



46.6398, 0.3690, 0.3218

Square

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



46.6398, 0.2461, 0.2999



46.6398, 0.3011, 0.2765



46.6398, 0.3843, 0.3515



46.6398, 0.3210, 0.3895

Rectangle

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



46.6398, 0.2461, 0.2999



46.6398, 0.2613, 0.2709



46.6398, 0.3843, 0.3515



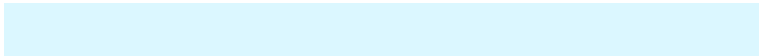
46.6398, 0.3648, 0.3894

Sweetspot

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



46.6416, 0.2461, 0.2999



89.1138, 0.2911, 0.3212



53.4792, 0.2950, 0.4448



18.7415, 0.2878, 0.3199



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.



46.6416, 0.2461, 0.2999



64.3853, 0.2343, 0.2922



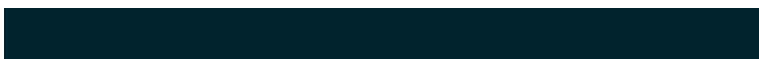
28.6462, 0.2332, 0.2282



13.6402, 0.2982, 0.3239



20.1623, 0.2055, 0.2598



1.3304, 0.2092, 0.2731

Inverse Universe

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



30.3980, 0.3399, 0.2376



38.3143, 0.3480, 0.2200



49.9342, 0.3960, 0.4118



12.5855, 0.3170, 0.3108



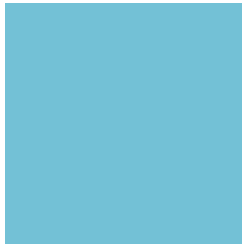
10.3803, 0.3826, 0.1881



0.6376, 0.3699, 0.1812

Previews

White Background



This preview shows how the Yxy color 46.6398, 0.2461, 0.2999 looks on a white background.

Color Contrast Check

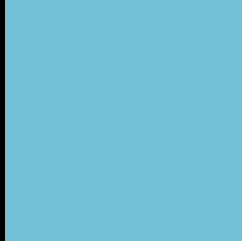
Large Text (above 18pt) WCAG AA × Fail

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 46.6398, 0.2461, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

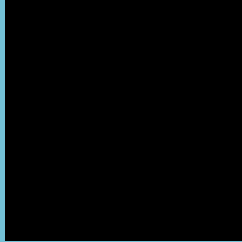
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6398, 0.2461, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 46.6398, 0.2461, 0.2999.



This preview shows how white text looks on a background with the Yxy color 46.6398, 0.2461, 0.2999.

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

46.6398, 0.2461, 0.2999

Protanopia

46.3974, 0.2911, 0.2971

Deuteranopia

46.1573, 0.2847, 0.2792



Tritanopia

46.7644, 0.2485, 0.3079

Trichromacy



Original Color

46.6398, 0.2461, 0.2999

Protanomaly

46.1220, 0.2722, 0.2984

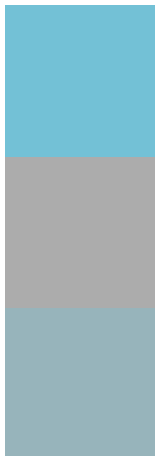
Deuteranomaly

45.8928, 0.2682, 0.2860

Tritanomaly

46.8641, 0.2474, 0.3053

Monochromacy



Original Color

46.6398, 0.2461, 0.2999

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.8097, 0.2837, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6398, 0.2461, 0.2999 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(115, 193, 214)` looks like.

```
.text, #text, p{  
    color:rgb(115, 193, 214)  
}
```

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(115, 193, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 193, 214) }
```

Border

The CSS property to change the border of an element to Yxy 46.6398, 0.2461, 0.2999 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(115, 193, 214) }
```

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

```
.border{ border-color:rgb(115, 193, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 193, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 193, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 193, 214);  
box-shadow:4px 4px 4px 4px rgb(115, 193,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6398, 0.2461, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 193, 214) }
```

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

```
.background{ background-color: rgb(115,  
193, 214) }
```

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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