

Converting Colors

$Yxy(39.4910, 0.2404, 0.2918)$

Have a look what the booklet for
Yxy(39.4910, 0.2404, 0.2918)
contains.

Yxy(39.4246, 0.2408, 0.2921)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.4246, 0.2408, 0.2921)

Conversions

Conversions Part 1

Format	Color
Hex	66B3CC
RGB	102, 179, 204
RGB Percent	40%, 70%, 80%
CMY	0.6000, 0.2980, 0.1999
CMYK	0.50, 0.12, 0.00, 0.20
HSL	195°, 50%, 60%
HSV	195°, 50%, 80%
XYZ	32.5007, 39.4246, 63.0443
YIQ	158.8270, -53.9170, -8.5490

Conversions

Conversions Part 2

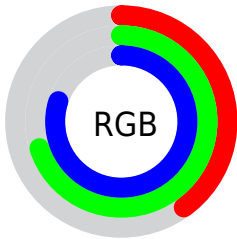
Format	Color
R _Y B	102, 146, 204
Decimal	6730700
CIE Lab	69.06, -16.99, -20.04
CIE LCh	69, 26.275, 229.719
Yxy	39.4246, 0.2408, 0.2921
Android (android.graphics.Color)	4284920780 (0xFF66B3CC)
YUV	158.8270, 22.2703, -49.8373
Hunter-Lab	62.7890, -17.4861, -15.5787

Details

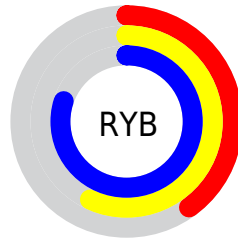
The Yxy color **39.4246, 0.2408, 0.2921** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **28.9863, 0.4351, 0.3614**, and the grayscale version is **34.5031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0076, 0.2568, 0.3062**, and **17.5951, 0.2203, 0.2793** is the 20% darker color. If you saturate the color by 10%, you get **36.4071, 0.2294, 0.2833**, and if you desaturate by 10%, it is **42.8113, 0.2536, 0.3005**.

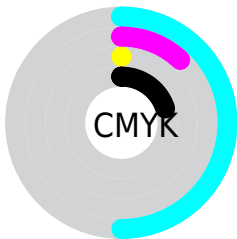
Distribution



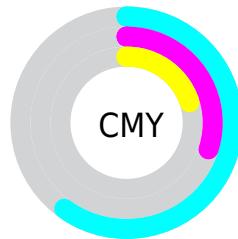
- Red (40%)
- Green (70%)
- Blue (80%)



- Red (40%)
- Yellow (57%)
- Blue (80%)



- Cyan (50%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4246, 0.2408, 0.2921 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 39.4246, 0.2408, 0.2921 by changing the saturation by 10% instead.

■ 39.4246, 0.2408,
0.2921

■ 39.4246, 0.2408,
0.2921

■ 343.6923, 0.2767,
0.3117

■ 27.0902, 0.2319,
0.2869

■ 74.2865, 0.2538,
0.2995

■ 17.6410, 0.2207,
0.2800

■ 97.5828, 0.2587,
0.3022

■ 10.6925, 0.2058,
0.2706

■ 125.3019, 0.2628,
0.3044

■ 5.8605, 0.1857,
0.2571

■ 157.8281, 0.2664,
0.3063

■ 2.7604, 0.1569,
0.2361

■ 195.5459, 0.2695,
0.3080

■ 1.0080, 0.1079,
0.2020

■ 238.8395, 0.2722,

■ 0.0000, 0.0000,

0.3094

0.0000

288.0936, 0.2746,
0.3106

■ 39.4246, 0.2408,
0.2921

■ 39.4246, 0.2408,
0.2921

■ 36.4071, 0.2294,
0.2833

■ 42.8113, 0.2536,
0.3005

■ 33.7315, 0.2197,
0.2743

■ 46.5831, 0.2675,
0.3085

■ 31.3737, 0.2120,
0.2651

■ 50.7602, 0.2822,
0.3159

■ 29.3032, 0.2061,
0.2560

■ 55.3600, 0.2974,
0.3228

■ 27.4661, 0.2020,
0.2470

■ 60.3987, 0.3127,
0.3290

65.8915, 0.3279,
0.3346

71.8530, 0.3429,
0.3396

76.3072, 0.3497,
0.3444

78.9590, 0.3487,
0.3494

Harmonies

Analogous

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



39.4246, 0.2511, 0.3258



39.4246, 0.2408, 0.2921



39.4246, 0.2480, 0.2713

Triad

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



39.4246, 0.2408, 0.2921



39.4246, 0.3468, 0.2974



39.4246, 0.3520, 0.3986

Complementary

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



39.4246, 0.2408, 0.2921



28.9863, 0.4351, 0.3614

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.



39.4246, 0.3804, 0.3852



39.4246, 0.2408, 0.2921



39.4246, 0.3779, 0.3269

Square

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



39.4246, 0.2408, 0.2921



39.4246, 0.3074, 0.2757



39.4246, 0.3903, 0.3585



39.4246, 0.3142, 0.3913

Rectangle

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



39.4246, 0.2408, 0.2921



39.4246, 0.2621, 0.2660



39.4246, 0.3903, 0.3585



39.4246, 0.3630, 0.3962

Sweetspot

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



39.4261, 0.2408, 0.2921



87.6119, 0.2895, 0.3193



47.5274, 0.2920, 0.4502



18.4086, 0.2863, 0.3178



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.



39.4261, 0.2408, 0.2921



59.9111, 0.2286, 0.2826



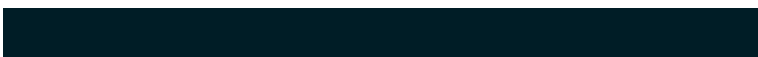
22.9394, 0.2257, 0.2134



12.2426, 0.2983, 0.3232



17.4336, 0.2023, 0.2483



1.0138, 0.2072, 0.2659

Inverse Universe

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



25.5978, 0.3468, 0.2349



35.7968, 0.3568, 0.2181



45.1756, 0.4011, 0.4214



11.3549, 0.3175, 0.3117



9.5629, 0.3939, 0.1944



0.5049, 0.3767, 0.1849

Previews

White Background



This preview shows how the Yxy color 39.4246, 0.2408, 0.2921 looks on a white background.

Color Contrast Check

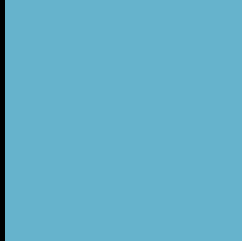
Large Text (above 18pt) WCAG AA × Fail

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 39.4246, 0.2408, 0.2921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

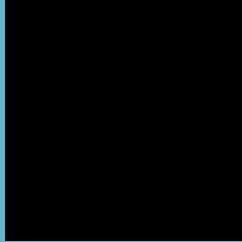
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.4246, 0.2408, 0.2921

Background



This preview shows how black text looks on a background with the Yxy color 39.4246, 0.2408, 0.2921.



This preview shows how white text looks on a background with the Yxy color 39.4246, 0.2408, 0.2921.

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

39.4246, 0.2408, 0.2921

Protanopia

38.8939, 0.2856, 0.2894

Deuteranopia

38.9484, 0.2782, 0.2719



Tritanopia

39.2353, 0.2445, 0.3063

Trichromacy



Original Color

39.4246, 0.2408, 0.2921

Protanomaly

38.7785, 0.2667, 0.2907

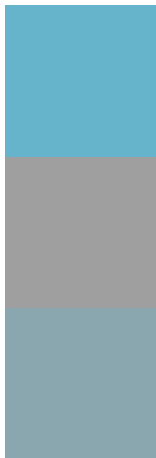
Deuteranomaly

38.4949, 0.2618, 0.2775

Tritanomaly

39.4291, 0.2433, 0.3020

Monochromacy



Original Color

39.4246, 0.2408, 0.2921

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.7709, 0.2809, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4246, 0.2408, 0.2921 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(102, 179, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 179, 204)  
}
```

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(102, 179, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 179, 204) }
```

Border

The CSS property to change the border of an element to Yxy 39.4246, 0.2408, 0.2921 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(102, 179, 204) }
```

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

```
.border{ border-color:rgb(102, 179, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 179, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 179, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 179, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 179,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4246, 0.2408, 0.2921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 179, 204) }
```

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

```
.background{ background-color: rgb(102,  
179, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor