

Converting Colors

$Yxy(38.0197, 0.2463, 0.3042)$

Have a look what the booklet for
Yxy(38.0197, 0.2463, 0.3042)
contains.

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Color

Yxy(38.1193, 0.2464, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	66B1C1
RGB	102, 177, 193
RGB Percent	40%, 69%, 76%
CMY	0.5996, 0.3059, 0.2431
CMYK	0.47, 0.08, 0.00, 0.24
HSL	191°, 42%, 58%
HSV	191°, 47%, 76%
XYZ	30.8358, 38.1193, 56.1903
YIQ	156.3990, -49.8360, -10.9240

Conversions

Conversions Part 2

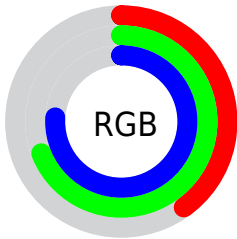
Format	Color
RYB	102, 143, 193
Decimal	6730177
CIELab	68.11, -18.97, -15.41
CIElCh	68, 24.440, 219.082
Yxy	38.1193, 0.2464, 0.3046
Android (android.graphics.Color)	4284920257 (0xFF66B1C1)
YUV	156.3990, 18.0443, -47.7079
Hunter-Lab	61.7408, -18.8964, -10.7412

Details

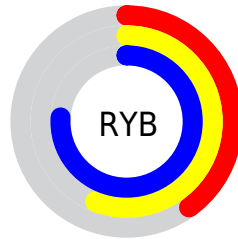
The Yxy color **38.1193, 0.2464, 0.3046** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.2848, 0.4289, 0.3511**, and the grayscale version is **33.3781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3865, 0.2588, 0.3105**, and **16.8149, 0.2276, 0.2965** is the 20% darker color. If you saturate the color by 10%, you get **35.7931, 0.2355, 0.2985**, and if you desaturate by 10%, it is **40.7446, 0.2588, 0.3104**.

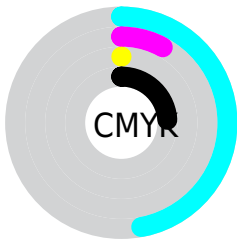
Distribution



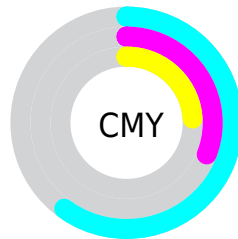
- Red (40%)
- Green (69%)
- Blue (76%)



- Red (40%)
- Yellow (56%)
- Blue (76%)



- Cyan (47%)
- Magenta (8%)
- Yellow (0%)
- Black (24%)



- Cyan (60%)
- Magenta (31%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1193, 0.2464, 0.3046 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 38.1193, 0.2464, 0.3046 by changing the saturation by 10% instead.

■ 38.1193, 0.2464,
0.3046

■ 38.1193, 0.2464,
0.3046

■ 338.1315, 0.2798,
0.3179

■ 26.0753, 0.2380,
0.3009

■ 72.2910, 0.2586,
0.3097

■ 16.8800, 0.2273,
0.2960

■ 95.1874, 0.2631,
0.3115

■ 10.1490, 0.2130,
0.2891

■ 122.4701, 0.2670,
0.3131

■ 5.4978, 0.1933,
0.2788

■ 154.5235, 0.2703,
0.3143

■ 2.5422, 0.1645,
0.2620

■ 191.7319, 0.2732,
0.3154

■ 0.8977, 0.1025,
0.2359

■ 234.4798, 0.2757,

■ 0.0000, 0.0000,

0.3164

0.0000

283.1515, 0.2779,
0.3172

■ 38.1193, 0.2464,
0.3046

■ 38.1193, 0.2464,
0.3046

■ 35.7931, 0.2355,
0.2985

■ 40.7446, 0.2588,
0.3104

■ 33.7427, 0.2262,
0.2923

■ 43.6814, 0.2724,
0.3160

■ 31.9487, 0.2188,
0.2859

■ 46.9468, 0.2869,
0.3211


■ 30.3863, 0.2134,
0.2796

■ 50.5552, 0.3019,
0.3259

■ 29.0217, 0.2097,
0.2733


■ 54.5202, 0.3172,
0.3302

 28.6454, 0.2088,
0.2715

 58.8544, 0.3325,
0.3341

 63.5700, 0.3476,
0.3376

 68.3920, 0.3612,
0.3407

 70.0288, 0.3604,
0.3442

Harmonies

Analogous

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



38.1193, 0.2619, 0.3389



38.1193, 0.2464, 0.3046



38.1193, 0.2474, 0.2800

Triad

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



38.1193, 0.2464, 0.3046



38.1193, 0.3319, 0.2908



38.1193, 0.3608, 0.3920

Complementary

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



38.1193, 0.2464, 0.3046



25.2848, 0.4289, 0.3511

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.



38.1193, 0.3820, 0.3742



38.1193, 0.2464, 0.3046



38.1193, 0.3652, 0.3167

Square

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



38.1193, 0.2464, 0.3046



38.1193, 0.2949, 0.2739



38.1193, 0.3839, 0.3466



38.1193, 0.3273, 0.3923

Rectangle

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



38.1193, 0.2464, 0.3046



38.1193, 0.2571, 0.2714



38.1193, 0.3839, 0.3466



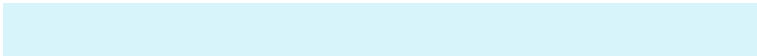
38.1193, 0.3697, 0.3877

Sweetspot

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



38.1208, 0.2464, 0.3046



85.8714, 0.2911, 0.3225



42.2653, 0.2967, 0.4513



18.1300, 0.2879, 0.3215



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.1208, 0.2464, 0.3046



63.7904, 0.2347, 0.2980



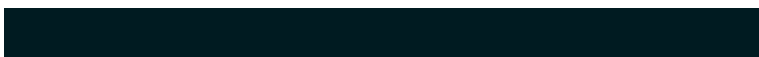
23.2925, 0.2332, 0.2319



11.1167, 0.2984, 0.3248



19.1551, 0.2090, 0.2723



0.9087, 0.2129, 0.2863

Inverse Universe

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



24.0343, 0.3364, 0.2331



36.3416, 0.3434, 0.2142



38.3901, 0.3989, 0.4090



10.2161, 0.3164, 0.3102



9.2160, 0.3706, 0.1815



0.4064, 0.3577, 0.1744

Previews

White Background



This preview shows how the Yxy color 38.1193, 0.2464, 0.3046 looks on a white background.

Color Contrast Check

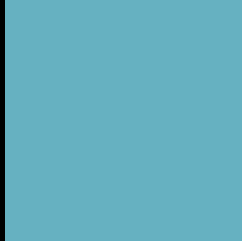
Large Text (above 18pt) WCAG AA × Fail

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 38.1193, 0.2464, 0.3046 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

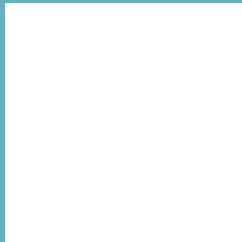
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1193, 0.2464, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 38.1193, 0.2464, 0.3046.



This preview shows how white text looks on a background with the Yxy color 38.1193, 0.2464, 0.3046.

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

38.1193, 0.2464, 0.3046

Protanopia

37.7351, 0.2933, 0.2997

Deuteranopia

37.5823, 0.2880, 0.2816



Tritanopia

38.0748, 0.2469, 0.3061

Trichromacy



Original Color

38.1193, 0.2464, 0.3046

Protanomaly

37.5822, 0.2733, 0.3014

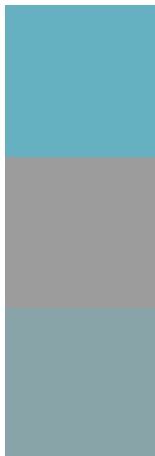
Deuteranomaly

37.4172, 0.2704, 0.2891

Tritanomaly

38.0748, 0.2469, 0.3061

Monochromacy



Original Color

38.1193, 0.2464, 0.3046

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.6497, 0.2836, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1193, 0.2464, 0.3046 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, 177, 193)` looks like.

```
.text, #text, p{  
    color:rgb(102, 177, 193)  
}
```

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, 177, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 177, 193) }
```

Border

The CSS property to change the border of an element to Yxy 38.1193, 0.2464, 0.3046 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, 177, 193) }
```

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

```
.border{ border-color:rgb(102, 177, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 177, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 177, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 177, 193);  
box-shadow:4px 4px 4px 4px rgb(102, 177,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1193, 0.2464, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 177, 193) }
```

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

```
.background{ background-color: rgb(102,  
177, 193) }
```

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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