

Converting Colors

$Yxy(38.1729, 0.2469, 0.3064)$

Have a look what the booklet for
Yxy(38.1729, 0.2469, 0.3064)
contains.

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Color

Yxy(38.0748, 0.2469, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	66B1C0
RGB	102, 177, 192
RGB Percent	40%, 69%, 75%
CMY	0.6002, 0.3058, 0.2470
CMYK	0.47, 0.08, 0.00, 0.25
HSL	190°, 42%, 58%
HSV	190°, 47%, 75%
XYZ	30.7111, 38.0748, 55.6009
YIQ	156.2850, -49.5150, -11.2350

Conversions

Conversions Part 2

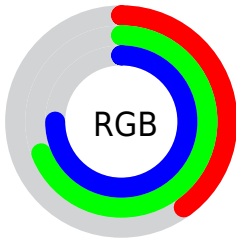
Format	Color
RYB	102, 143, 192
Decimal	6730176
CIELab	68.08, -19.29, -14.90
CIELCh	68, 24.378, 217.679
Yxy	38.0748, 0.2469, 0.3061
Android (android.graphics.Color)	4284920256 (0xFF66B1C0)
YUV	156.2850, 17.6075, -47.6079
Hunter-Lab	61.7048, -19.1421, -10.2316

Details

The Yxy color **38.0748, 0.2469, 0.3061** is a light color, and the websafe version is hex **669999**. A complement of this color would be **24.8724, 0.4287, 0.3498**, and the grayscale version is **33.3110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3242, 0.2593, 0.3116**, and **16.8149, 0.2276, 0.2965** is the 20% darker color. If you saturate the color by 10%, you get **35.8341, 0.2360, 0.3004**, and if you desaturate by 10%, it is **40.6077, 0.2592, 0.3116**.

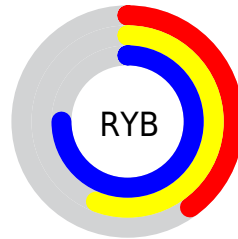
Distribution



Red (40%)

Green (69%)

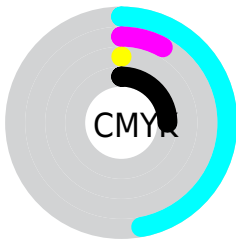
Blue (75%)



Red (40%)

Yellow (56%)

Blue (75%)

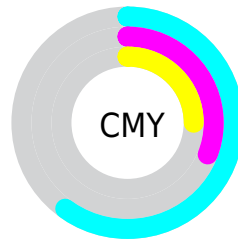


Cyan (47%)

Magenta (8%)

Yellow (0%)

Black (25%)



Cyan (60%)


Magenta (31%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0748, 0.2469, 0.3061 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 38.0748, 0.2469, 0.3061 by changing the saturation by 10% instead.


 38.0748, 0.2469,
0.3061


 38.0748, 0.2469,
0.3061


337.9407, 0.2801,
0.3187

 26.0407, 0.2386,
0.3026


 72.2228, 0.2590,
0.3109


 16.8541, 0.2279,
0.2979


 95.1055, 0.2635,
0.3127

 10.1305, 0.2137,
0.2914


 122.3732, 0.2674,
0.3141

 5.4856, 0.1940,
0.2815

 154.4103, 0.2707,
0.3153

 2.5349, 0.1653,
0.2654

191.6012, 0.2735,
0.3163

 0.8941, 0.1019,
0.2406

234.3304, 0.2760,

 0.0000, 0.0000,

0.3172

0.0000

282.9821, 0.2782,
0.3180

■ 38.0748, 0.2469,
0.3061

■ 38.0748, 0.2469,
0.3061

■ 35.8341, 0.2360,
0.3004

■ 40.6077, 0.2592,
0.3116

■ 33.8629, 0.2269,
0.2945

■ 43.4451, 0.2728,
0.3168

■ 32.1418, 0.2196,
0.2885


■ 46.6038, 0.2872,
0.3217

■ 30.6467, 0.2143,
0.2826

■ 50.0979, 0.3022,
0.3261

■ 29.3449, 0.2107,
0.2767


■ 53.9407, 0.3175,
0.3302

 28.9621, 0.2097,
0.2749

 58.1448, 0.3328,
0.3339

 62.7220, 0.3480,
0.3372

 67.5800, 0.3624,
0.3401

 69.1011, 0.3616,
0.3434

Harmonies

Analogous

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



38.0748, 0.2631, 0.3405



38.0748, 0.2469, 0.3061



38.0748, 0.2471, 0.2809

Triad

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



38.0748, 0.2469, 0.3061



38.0748, 0.3302, 0.2898



38.0748, 0.3620, 0.3914

Complementary

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



38.0748, 0.2469, 0.3061



24.8724, 0.4287, 0.3498

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.



38.0748, 0.3824, 0.3730



38.0748, 0.2469, 0.3061



38.0748, 0.3638, 0.3154

Square

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



38.0748, 0.2469, 0.3061



38.0748, 0.2933, 0.2735



38.0748, 0.3833, 0.3452



38.0748, 0.3290, 0.3926

Rectangle

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



38.0748, 0.2469, 0.3061



38.0748, 0.2563, 0.2719



38.0748, 0.3833, 0.3452



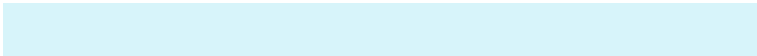
38.0748, 0.3707, 0.3868

Sweetspot

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



38.0763, 0.2469, 0.3061



86.0771, 0.2911, 0.3229



41.7704, 0.2977, 0.4531



18.1806, 0.2879, 0.3219



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.



38.0763, 0.2469, 0.3061



64.9302, 0.2361, 0.3004



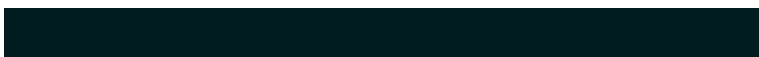
23.5298, 0.2340, 0.2350



11.1338, 0.2984, 0.3251



19.5856, 0.2099, 0.2757



0.9238, 0.2136, 0.2888

Inverse Universe

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



23.8732, 0.3352, 0.2325



36.9721, 0.3414, 0.2147



37.4742, 0.3994, 0.4068



10.2178, 0.3162, 0.3100



9.2594, 0.3675, 0.1798



0.4079, 0.3555, 0.1732

Previews

White Background



This preview shows how the Yxy color 38.0748, 0.2469, 0.3061 looks on a white background.

Color Contrast Check

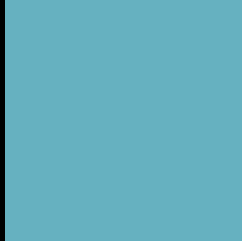
Large Text (above 18pt) WCAG AA × Fail

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 38.0748, 0.2469, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

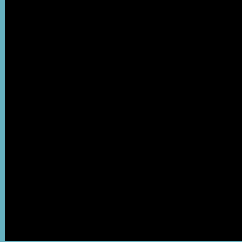
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0748, 0.2469, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 38.0748, 0.2469, 0.3061.



This preview shows how white text looks on a background with the Yxy color 38.0748, 0.2469, 0.3061.

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

38.0748, 0.2469, 0.3061

Protanopia

37.7981, 0.2950, 0.3011

Deuteranopia

37.5369, 0.2888, 0.2828



Tritanopia

38.0306, 0.2475, 0.3076

Trichromacy



Original Color

38.0748, 0.2469, 0.3061

Protanomaly

37.6265, 0.2748, 0.3028

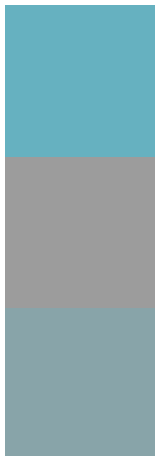
Deuteranomaly

37.3721, 0.2711, 0.2904

Tritanomaly

38.0306, 0.2475, 0.3076

Monochromacy



Original Color

38.0748, 0.2469, 0.3061

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 38.0748, 0.2469, 0.3061 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, 192)` looks like.

```
.text, #text, p{  
    color:rgb(102, 177, 192)  
}
```

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, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 177, 192) }
```

Border

The CSS property to change the border of an element to Yxy 38.0748, 0.2469, 0.3061 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, 192) }
```

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

```
.border{ border-color:rgb(102, 177, 192) }
```

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, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 177, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 177, 192);  
box-shadow:4px 4px 4px 4px rgb(102, 177,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0748, 0.2469, 0.3061 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, 192) }
```

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

```
.background{ background-color: rgb(102,  
177, 192) }
```

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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