

Converting Colors

$Y_{xy}(38.4864, 0.2536, 0.3076)$

Have a look what the booklet for
Yxy(38.4864, 0.2536, 0.3076)
contains.

Yxy(38.6506, 0.2534, 0.3079)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.6506, 0.2534, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	70B1BF
RGB	112, 177, 191
RGB Percent	44%, 69%, 75%
CMY	0.5607, 0.3059, 0.2510
CMYK	0.41, 0.07, 0.00, 0.25
HSL	191°, 38%, 59%
HSV	191°, 41%, 75%
XYZ	31.8092, 38.6506, 55.0699
YIQ	159.1610, -43.2340, -9.4260

Conversions

Conversions Part 2

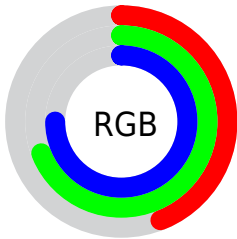
Format	Color
RYB	112, 148, 191
Decimal	7385535
CIELab	68.50, -17.07, -13.66
CIELCh	68, 21.865, 218.675
Yxy	38.6506, 0.2534, 0.3079
Android (android.graphics.Color)	4285575615 (0xFF70B1BF)
YUV	159.1610, 15.6966, -41.3602
Hunter-Lab	62.1696, -17.4669, -9.0004

Details

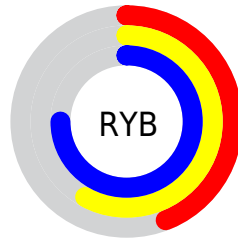
The Yxy color **38.6506, 0.2534, 0.3079** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.1713, 0.4089, 0.3486**, and the grayscale version is **34.6926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2087, 0.2644, 0.3129**, and **17.1201, 0.2355, 0.2991** is the 20% darker color. If you saturate the color by 10%, you get **36.2086, 0.2416, 0.3019**, and if you desaturate by 10%, it is **41.3945, 0.2665, 0.3136**.

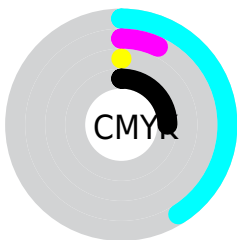
Distribution



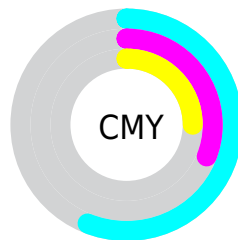
- Red (44%)
- Green (69%)
- Blue (75%)



- Red (44%)
- Yellow (58%)
- Blue (75%)



- Cyan (41%)
- Magenta (7%)
- Yellow (0%)
- Black (25%)



- Cyan (56%)
- Magenta (31%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6506, 0.2534, 0.3079 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 38.6506, 0.2534, 0.3079 by changing the saturation by 10% instead.

■ 38.6506, 0.2534,
0.3079

■ 38.6506, 0.2534,
0.3079

■ 340.4027, 0.2833,
0.3194

■ 26.4880, 0.2459,
0.3047

■ 73.1042, 0.2643,
0.3123

■ 17.1891, 0.2362,
0.3005

■ 96.1641, 0.2684,
0.3139

■ 10.3694, 0.2233,
0.2946

■ 123.6252, 0.2719,
0.3152

■ 5.6446, 0.2054,
0.2858

■ 155.8719, 0.2748,
0.3163

■ 2.6302, 0.1790,
0.2714

■ 193.2886, 0.2774,
0.3172

■ 0.9419, 0.1257,
0.2481

■ 236.2597, 0.2796,

■ 0.0000, 0.0000,

0.3180

0.0000

285.1696, 0.2816,
0.3187

■ 38.6506, 0.2534,
0.3079

■ 38.6506, 0.2534,
0.3079

■ 36.2086, 0.2416,
0.3019

■ 41.3945, 0.2665,
0.3136

■ 34.0468, 0.2313,
0.2957

■ 44.4515, 0.2806,
0.3189

■ 32.1476, 0.2228,
0.2894

■ 47.8375, 0.2955,
0.3239

■ 30.4892, 0.2163,
0.2830

■ 51.5662, 0.3107,
0.3284

■ 29.0455, 0.2116,
0.2767

■ 55.6503, 0.3260,
0.3325

■ 27.9268, 0.2087,
0.2712

■ 60.1018, 0.3412,
0.3362

■ 64.9320, 0.3561,
0.3394

■ 68.2425, 0.3628,
0.3427

■ 69.8696, 0.3620,
0.3461

Harmonies

Analogous

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



38.6506, 0.2677, 0.3383



38.6506, 0.2534, 0.3079



38.6506, 0.2540, 0.2856

Triad

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



38.6506, 0.2534, 0.3079



38.6506, 0.3295, 0.2945



38.6506, 0.3561, 0.3850

Complementary

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



38.6506, 0.2534, 0.3079



27.1713, 0.4089, 0.3486

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.



38.6506, 0.3746, 0.3694



38.6506, 0.2534, 0.3079



38.6506, 0.3591, 0.3178

Square

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



38.6506, 0.2534, 0.3079



38.6506, 0.2965, 0.2794



38.6506, 0.3759, 0.3447



38.6506, 0.3264, 0.3851

Rectangle

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



38.6506, 0.2534, 0.3079



38.6506, 0.2627, 0.2776



38.6506, 0.3759, 0.3447



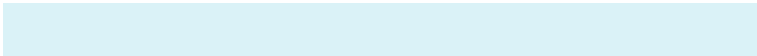
38.6506, 0.3639, 0.3812

Sweetspot

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



38.6521, 0.2534, 0.3079



85.1496, 0.2942, 0.3235



42.1905, 0.2983, 0.4336



18.5160, 0.2922, 0.3229



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.



38.6521, 0.2534, 0.3079



65.0845, 0.2422, 0.3023



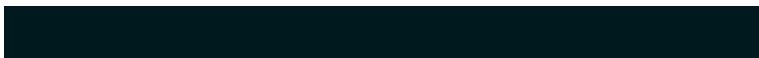
25.4837, 0.2435, 0.2460



10.5141, 0.2985, 0.3248



18.4603, 0.2089, 0.2721



0.7997, 0.2131, 0.2871

Inverse Universe

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



25.8429, 0.3329, 0.2443



39.6319, 0.3388, 0.2265



39.0372, 0.3869, 0.3995



9.6665, 0.3164, 0.3103



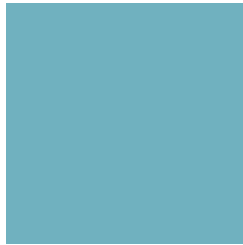
8.8933, 0.3708, 0.1817



0.3561, 0.3569, 0.1740

Previews

White Background



This preview shows how the Yxy color 38.6506, 0.2534, 0.3079 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 38.6506, 0.2534, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

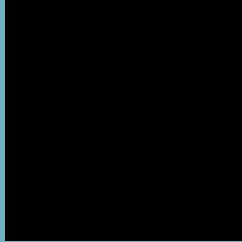
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6506, 0.2534, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 38.6506, 0.2534, 0.3079.



This preview shows how white text looks on a background with the Yxy color 38.6506, 0.2534, 0.3079.

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

38.6506, 0.2534, 0.3079

Protanopia

38.2217, 0.2967, 0.3040

Deuteranopia

38.1707, 0.2922, 0.2858



Tritanopia

38.6506, 0.2534, 0.3079

Trichromacy



Original Color

38.6506, 0.2534, 0.3079

Protanomaly

37.9408, 0.2787, 0.3045

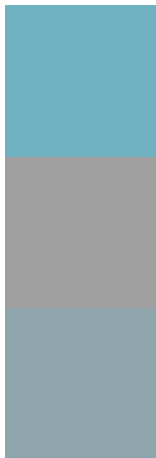
Deuteranomaly

37.7836, 0.2758, 0.2922

Tritanomaly

38.6506, 0.2534, 0.3079

Monochromacy



Original Color

38.6506, 0.2534, 0.3079

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.9635, 0.2873, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6506, 0.2534, 0.3079 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(112, 177, 191)` looks like.

```
.text, #text, p{  
    color:rgb(112, 177, 191)  
}
```

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(112, 177, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 177, 191) }
```

Border

The CSS property to change the border of an element to Yxy 38.6506, 0.2534, 0.3079 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(112, 177, 191) }
```

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

```
.border{ border-color:rgb(112, 177, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 177, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 177, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 177, 191);  
box-shadow:4px 4px 4px 4px rgb(112, 177,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6506, 0.2534, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 177, 191) }
```

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

```
.background{ background-color: rgb(112,  
177, 191) }
```

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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