

Converting Colors

$Yxy(38.7523, 0.2686, 0.3593)$

Have a look what the booklet for
Yxy(38.7523, 0.2686, 0.3593)
contains.

Yxy(38.7206, 0.2688, 0.3591)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.7206, 0.2688, 0.3591)

Conversions

Conversions Part 1

Format	Color
Hex	6AB5A2
RGB	106, 181, 162
RGB Percent	42%, 71%, 64%
CMY	0.5845, 0.2901, 0.3648
CMYK	0.41, 0.00, 0.11, 0.29
HSL	165°, 34%, 56%
HSV	165°, 41%, 71%
XYZ	28.9838, 38.7206, 40.1223
YIQ	156.4090, -38.6010, -21.8090

Conversions

Conversions Part 2

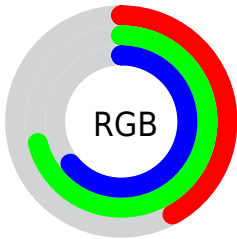
Format	Color
R_{YB}	106, 149, 181
Decimal	6993314
CIE _{Lab}	68.55, -27.89, 2.39
CIE _{LCh}	69, 27.990, 175.107
Yxy	38.7206, 0.2688, 0.3591
Android (android.graphics.Color)	4285183394 (0xFF6AB5A2)
YUV	156.4090, 2.7564, -44.2087
Hunter-Lab	62.2259, -25.7528, 5.3288

Details

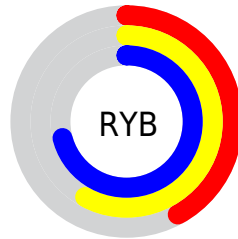
The Yxy color **38.7206, 0.2688, 0.3591** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.6033, 0.3898, 0.3017**, and the grayscale version is **33.4338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1552, 0.2773, 0.3527**, and **17.2942, 0.2559, 0.3703** is the 20% darker color. If you saturate the color by 10%, you get **37.5682, 0.2610, 0.3678**, and if you desaturate by 10%, it is **40.1161, 0.2780, 0.3509**.

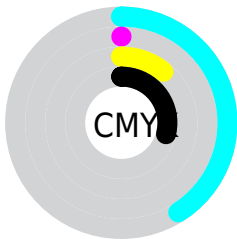
Distribution



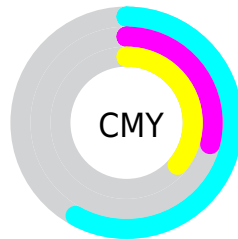
- Red (42%)
- Green (71%)
- Blue (64%)



- Red (42%)
- Yellow (58%)
- Blue (71%)



- Cyan (41%)
- Magenta (0%)
- Yellow (11%)
- Black (29%)




- Cyan (58%)
- Magenta (29%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7206, 0.2688, 0.3591 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 38.7206, 0.2688, 0.3591 by changing the saturation by 10% instead.


 38.7206, 0.2688,
0.3591


 38.7206, 0.2688,
0.3591


340.7011, 0.2915,
0.3434

 26.5424, 0.2629,
0.3632


 73.2113, 0.2772,
0.3533

 17.2299, 0.2552,
0.3687

 96.2926, 0.2803,
0.3511

 10.3985, 0.2448,
0.3761


 123.7771, 0.2829,
0.3493

 5.6640, 0.2297,
0.3870

 156.0492, 0.2851,
0.3478

 2.6419, 0.2063,
0.4043

193.4933, 0.2870,
0.3465

 0.9478, 0.1077,
0.4669

236.4937, 0.2887,

 0.0000, 0.0000,

0.3453

0.0000

285.4348, 0.2902,
0.3443

■ 38.7206, 0.2688,
0.3591

■ 38.7206, 0.2688,
0.3591

■ 37.5682, 0.2610,
0.3678

■ 40.1161, 0.2780,
0.3509

■ 36.6392, 0.2547,
0.3768

■ 41.7637, 0.2883,
0.3433

■ 35.9188, 0.2503,
0.3861


■ 43.6774, 0.2994,
0.3363


■ 35.3877, 0.2479,
0.3955


■ 45.8690, 0.3110,
0.3299


■ 35.0236, 0.2473,
0.4049

■ 48.3496, 0.3229,
0.3241

 34.8058, 0.2480,
0.4129

 51.1296, 0.3348,
0.3190

 54.2188, 0.3467,
0.3145

 57.6268, 0.3583,
0.3105

 58.6378, 0.3579,
0.3061

Harmonies

Analogous

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



38.7206, 0.3066, 0.3922



38.7206, 0.2688, 0.3591



38.7206, 0.2436, 0.3182

Triad

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



38.7206, 0.2688, 0.3591



38.7206, 0.2748, 0.2626



38.7206, 0.3957, 0.3660

Complementary

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



38.7206, 0.2688, 0.3591



21.6033, 0.3898, 0.3017

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.



38.7206, 0.3868, 0.3326



38.7206, 0.2688, 0.3591



38.7206, 0.3145, 0.2755

Square

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



38.7206, 0.2688, 0.3591



38.7206, 0.2470, 0.2651



38.7206, 0.3562, 0.3004



38.7206, 0.3808, 0.3929

Rectangle

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



38.7206, 0.2688, 0.3591



38.7206, 0.2365, 0.2941



38.7206, 0.3562, 0.3004



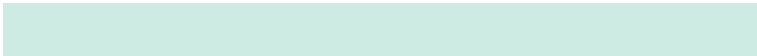
38.7206, 0.3955, 0.3551

Sweetspot

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



38.7222, 0.2688, 0.3591



77.9456, 0.2985, 0.3368



38.5255, 0.3230, 0.4488



16.7476, 0.2971, 0.3376



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.7222, 0.2688, 0.3591



67.3921, 0.2614, 0.3672



32.7695, 0.2524, 0.3011



9.5940, 0.3018, 0.3348



24.0024, 0.2477, 0.4117



0.7640, 0.2405, 0.3858

Inverse Universe

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



21.6033, 0.3898, 0.3017



32.4943, 0.4172, 0.2960



25.1465, 0.4062, 0.3547



8.5394, 0.3249, 0.3232



6.9173, 0.5884, 0.3015



0.2272, 0.5089, 0.2577

Previews

White Background



This preview shows how the Yxy color 38.7206, 0.2688, 0.3591 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 38.7206, 0.2688, 0.3591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

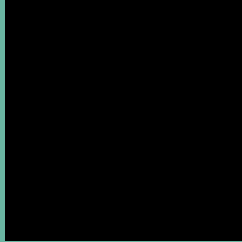
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7206, 0.2688, 0.3591

Background



This preview shows how black text looks on a background with the Yxy color 38.7206, 0.2688, 0.3591.



This preview shows how white text looks on a background with the Yxy color 38.7206, 0.2688, 0.3591.

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

38.7206, 0.2688, 0.3591

Protanopia

38.3762, 0.3289, 0.3460

Deuteranopia

38.1880, 0.3284, 0.3223



Tritanopia

38.7833, 0.2546, 0.3080

Trichromacy



Original Color

38.7206, 0.2688, 0.3591

Protanomaly

37.8560, 0.3037, 0.3499

Deuteranomaly

37.5919, 0.3026, 0.3334

Tritanomaly

38.5156, 0.2598, 0.3258

Monochromacy



Original Color

38.7206, 0.2688, 0.3591

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.7822, 0.2941, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7206, 0.2688, 0.3591 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(106, 181, 162)` looks like.

```
.text, #text, p{  
    color:rgb(106, 181, 162)  
}
```

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(106, 181, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 181, 162) }
```

Border

The CSS property to change the border of an element to Yxy 38.7206, 0.2688, 0.3591 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(106, 181, 162) }
```

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

```
.border{ border-color:rgb(106, 181, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 181, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 181, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 181, 162);  
box-shadow:4px 4px 4px 4px rgb(106, 181,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7206, 0.2688, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 181, 162) }
```

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

```
.background{ background-color: rgb(106,  
181, 162) }
```

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