

Converting Colors

$Yxy(38.6066, 0.2714, 0.3536)$

Have a look what the booklet for
Yxy(38.6066, 0.2714, 0.3536)
contains.

Yxy(38.7676, 0.2712, 0.3540)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.7676, 0.2712, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	70B4A4
RGB	112, 180, 164
RGB Percent	44%, 71%, 64%
CMY	0.5610, 0.2941, 0.3568
CMYK	0.38, 0.00, 0.09, 0.29
HSL	166°, 31%, 57%
HSV	166°, 38%, 71%
XYZ	29.6999, 38.7676, 41.0455
YIQ	157.8440, -35.3920, -19.3920

Conversions

Conversions Part 2

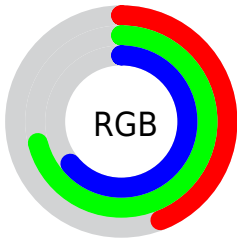
Format	Color
RYB	112, 151, 180
Decimal	7386276
CIELab	68.58, -25.29, 1.36
CIELCh	69, 25.323, 176.932
Yxy	38.7676, 0.2712, 0.3540
Android (android.graphics.Color)	4285576356 (0xFF70B4A4)
YUV	157.8440, 3.0349, -40.2052
Hunter-Lab	62.2636, -23.8164, 4.4994

Details

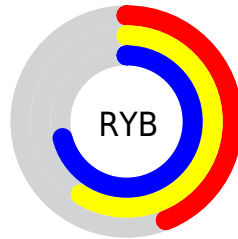
The Yxy color **38.7676, 0.2712, 0.3540** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.8385, 0.3818, 0.3059**, and the grayscale version is **34.1115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2124, 0.2789, 0.3490**, and **17.2784, 0.2587, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **37.5543, 0.2627, 0.3618**, and if you desaturate by 10%, it is **40.2251, 0.2810, 0.3466**.

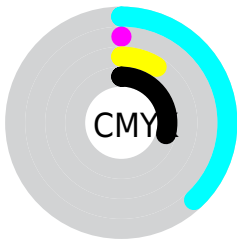
Distribution



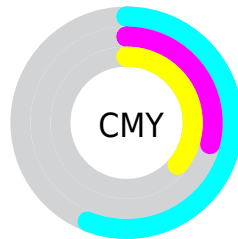
- Red (44%)
- Green (71%)
- Blue (64%)



- Red (44%)
- Yellow (59%)
- Blue (71%)



- Cyan (38%)
- Magenta (0%)
- Yellow (9%)
- Black (29%)





- Cyan (56%)
- Magenta (29%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7676, 0.2712, 0.3540 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 38.7676, 0.2712, 0.3540 by changing the saturation by 10% instead.


 38.7676, 0.2712,
0.3540


 38.7676, 0.2712,
0.3540


340.9014, 0.2926,
0.3411

 26.5790, 0.2657,
0.3574


 73.2832, 0.2791,
0.3492

 17.2573, 0.2584,
0.3618


 96.3789, 0.2820,
0.3474

 10.4181, 0.2486,
0.3679


 123.8791, 0.2845,
0.3459

 5.6770, 0.2345,
0.3767

156.1682, 0.2866,
0.3447

 2.6497, 0.2125,
0.3906

193.6306, 0.2884,
0.3436

 0.9517, 0.1313,
0.4371

236.6507, 0.2900,

 0.0000, 0.0000,

0.3426

0.0000

285.6128, 0.2914,
0.3418

■ 38.7676, 0.2712,
0.3540

■ 38.7676, 0.2712,
0.3540

■ 37.5543, 0.2627,
0.3618

■ 40.2251, 0.2810,
0.3466

■ 36.5664, 0.2557,
0.3701

■ 41.9351, 0.2918,
0.3398

■ 35.7897, 0.2504,
0.3786


■ 43.9113, 0.3034,
0.3335


■ 35.2064, 0.2471,
0.3872

■ 46.1651, 0.3154,
0.3278


■ 34.7959, 0.2457,
0.3958

■ 48.7069, 0.3276,
0.3227


 34.5257, 0.2460,
0.4044

 51.5470, 0.3398,
0.3182

 34.4734, 0.2462,
0.4063

 54.6949, 0.3519,
0.3141

 57.9778, 0.3629,
0.3106

 58.1756, 0.3592,
0.3062

Harmonies

Analogous

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



38.7676, 0.3052, 0.3844



38.7676, 0.2712, 0.3540



38.7676, 0.2490, 0.3174

Triad

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



38.7676, 0.2712, 0.3540



38.7676, 0.2804, 0.2688



38.7676, 0.3876, 0.3647

Complementary

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



38.7676, 0.2712, 0.3540



22.8385, 0.3818, 0.3059

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.



38.7676, 0.3807, 0.3345



38.7676, 0.2712, 0.3540



38.7676, 0.3168, 0.2813

Square

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



38.7676, 0.2712, 0.3540



38.7676, 0.2541, 0.2703



38.7676, 0.3542, 0.3047



38.7676, 0.3731, 0.3882

Rectangle

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



38.7676, 0.2712, 0.3540



38.7676, 0.2431, 0.2959



38.7676, 0.3542, 0.3047



38.7676, 0.3877, 0.3550

Sweetspot

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



38.7692, 0.2712, 0.3540



78.3443, 0.2994, 0.3356



38.4800, 0.3214, 0.4372



16.8288, 0.2979, 0.3364



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.



38.7692, 0.2712, 0.3540



68.4999, 0.2643, 0.3602



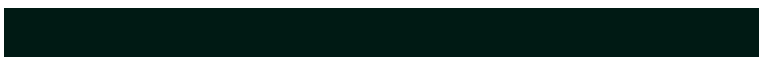
32.9297, 0.2570, 0.3021



9.5967, 0.3016, 0.3344



24.0678, 0.2459, 0.4052



0.7656, 0.2393, 0.3814

Inverse Universe

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



22.8385, 0.3818, 0.3059



35.6304, 0.4041, 0.3012



26.5642, 0.3944, 0.3540



8.5369, 0.3251, 0.3237



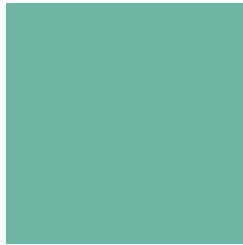
6.8994, 0.5942, 0.3047



0.2262, 0.5160, 0.2616

Previews

White Background



This preview shows how the Yxy color 38.7676, 0.2712, 0.3540 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 38.7676, 0.2712, 0.3540 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 38.7676, 0.2712, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 38.7676, 0.2712, 0.3540.

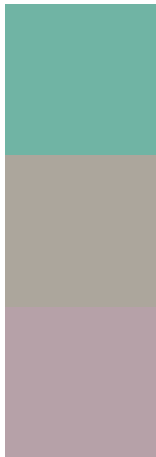


This preview shows how white text looks on a background with the Yxy color 38.7676, 0.2712, 0.3540.

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

38.7676, 0.2712, 0.3540

Protanopia

38.4434, 0.3271, 0.3431

Deuteranopia

38.2620, 0.3266, 0.3196



Tritanopia

38.6199, 0.2575, 0.3080

Trichromacy



Original Color

38.7676, 0.2712, 0.3540

Protanomaly

38.1131, 0.3039, 0.3468

Deuteranomaly

37.9634, 0.3036, 0.3304

Tritanomaly

38.4935, 0.2622, 0.3228

Monochromacy



Original Color

38.7676, 0.2712, 0.3540

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.4732, 0.2952, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7676, 0.2712, 0.3540 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, 180, 164)` looks like.

```
.text, #text, p{  
    color:rgb(112, 180, 164)  
}
```

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, 180, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 180, 164) }
```

Border

The CSS property to change the border of an element to Yxy 38.7676, 0.2712, 0.3540 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, 180, 164) }
```

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

```
.border{ border-color:rgb(112, 180, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 180, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 180, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 180, 164);  
box-shadow:4px 4px 4px 4px rgb(112, 180,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7676, 0.2712, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 180, 164) }
```

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

```
.background{ background-color: rgb(112,  
180, 164) }
```

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