

Converting Colors

$Y_{xy}(38.8170, 0.2520, 0.3887)$

Have a look what the booklet for
Yxy(38.8170, 0.2520, 0.3887)
contains.

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Color

Yxy(38.6484, 0.2518, 0.3882)

Conversions

Conversions Part 1

Format	Color
Hex	38BB98
RGB	56, 187, 152
RGB Percent	22%, 73%, 60%
CMY	0.7803, 0.2667, 0.4039
CMYK	0.70, 0.00, 0.19, 0.27
HSL	164°, 54%, 48%
HSV	164°, 70%, 73%
XYZ	25.0687, 38.6484, 35.8409
YIQ	143.8410, -66.8410, -38.6570

Conversions

Conversions Part 2

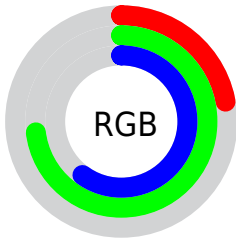
Format	Color
RYB	56, 132, 187
Decimal	3718040
CIELab	68.50, -43.55, 7.59
CIElCh	68, 44.210, 170.114
Yxy	38.6484, 0.2518, 0.3882
Android (android.graphics.Color)	4281908120 (0xFF38BB98)
YUV	143.8410, 4.0224, -77.0366
Hunter-Lab	62.1678, -36.8150, 9.3357

Details

The Yxy color **38.6484, 0.2518, 0.3882** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **14.1510, 0.4824, 0.2869**, and the grayscale version is **27.8286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1507, 0.2638, 0.3767**, and **17.7146, 0.2462, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **38.0475, 0.2492, 0.3982**, and if you desaturate by 10%, it is **39.4604, 0.2563, 0.3783**.

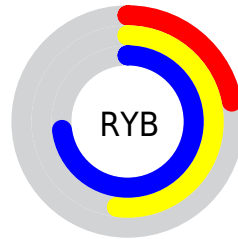
Distribution



Red (22%)

Green (73%)

Blue (60%)



Red (22%)

Yellow (52%)

Blue (73%)

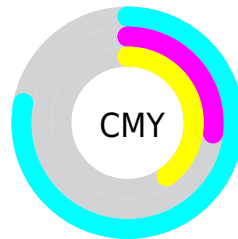


Cyan (70%)

Magenta (0%)

Yellow (19%)

Black (27%)



Cyan (78%)


Magenta (27%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6484, 0.2518, 0.3882 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 38.6484, 0.2518, 0.3882 by changing the saturation by 10% instead.


 38.6484, 0.2518,
0.3882


 38.6484, 0.2518,
0.3882


340.3933, 0.2835,
0.3567


 26.4863, 0.2435,
0.3967


 73.1009, 0.2636,
0.3763

 17.1878, 0.2326,
0.4080


 96.1601, 0.2680,
0.3720

 10.3685, 0.2177,
0.4238


 123.6204, 0.2716,
0.3684

 5.6440, 0.1963,
0.4473

 155.8663, 0.2747,
0.3653

 2.6298, 0.1632,
0.4857

 193.2822, 0.2774,
0.3627

 0.9417, 0.0000,
0.6562

236.2523, 0.2797,

 0.0000, 0.0000,

0.3605

0.0000

285.1613, 0.2817,
0.3585

■ 38.6484, 0.2518,
0.3882

■ 38.6484, 0.2518,
0.3882

■ 38.0475, 0.2492,
0.3982

■ 39.4604, 0.2563,
0.3783

■ 37.6294, 0.2486,
0.4082

■ 40.4992, 0.2627,
0.3688

■ 37.3486, 0.2495,
0.4180

■ 41.7840, 0.2706,
0.3596

■ 43.3307, 0.2799,
0.3510

■ 45.1541, 0.2901,
0.3430

■ 47.2675, 0.3012,
0.3357

■ 49.6836, 0.3127,
0.3290

■ 52.4142, 0.3244,
0.3231

■ 55.4706, 0.3362,
0.3177

Harmonies

Analogous

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



38.6484, 0.3112, 0.4390



38.6484, 0.2518, 0.3882



38.6484, 0.2114, 0.3197

Triad

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



38.6484, 0.2518, 0.3882



38.6484, 0.2451, 0.2281



38.6484, 0.4438, 0.3729

Complementary

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



38.6484, 0.2518, 0.3882



14.1510, 0.4824, 0.2869

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.



38.6484, 0.4244, 0.3230



38.6484, 0.2518, 0.3882



38.6484, 0.3030, 0.2440

Square

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



38.6484, 0.2518, 0.3882



38.6484, 0.2085, 0.2337



38.6484, 0.3703, 0.2776



38.6484, 0.4237, 0.4191

Rectangle

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



38.6484, 0.2518, 0.3882



38.6484, 0.1988, 0.2801



38.6484, 0.3703, 0.2776



38.6484, 0.4419, 0.3562

Sweetspot

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



38.6499, 0.2518, 0.3882



80.4163, 0.2888, 0.3440



38.1615, 0.3238, 0.5370



17.5025, 0.2859, 0.3462



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.6499, 0.2518, 0.3882



67.7047, 0.2486, 0.4035



29.0960, 0.2217, 0.2812



10.7648, 0.3019, 0.3352



25.7452, 0.2491, 0.4168



1.0188, 0.2425, 0.3931

Inverse Universe

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



14.1510, 0.4824, 0.2869



21.1498, 0.5402, 0.2899



17.2534, 0.5144, 0.3636



9.5771, 0.3247, 0.3229



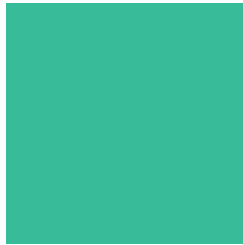
7.4483, 0.5846, 0.2994



0.3031, 0.5142, 0.2606

Previews

White Background



This preview shows how the Yxy color 38.6484, 0.2518, 0.3882 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 38.6484, 0.2518, 0.3882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

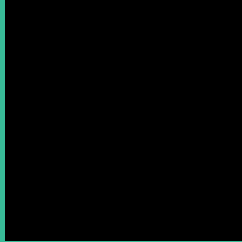
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

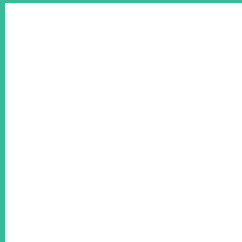
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.6484, 0.2518, 0.3882

Background



This preview shows how black text looks on a background with the Yxy color 38.6484, 0.2518, 0.3882.



This preview shows how white text looks on a background with the Yxy color 38.6484, 0.2518, 0.3882.

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

38.6484, 0.2518, 0.3882

Protanopia

37.8320, 0.3429, 0.3632

Deuteranopia

37.9245, 0.3390, 0.3318



Tritanopia

38.5698, 0.2336, 0.3057

Trichromacy



Original Color

38.6484, 0.2518, 0.3882



Protanomaly

36.7568, 0.2986, 0.3732



Deuteranomaly

36.5530, 0.2959, 0.3505



Tritanomaly

38.4275, 0.2398, 0.3336

Monochromacy



Original Color

38.6484, 0.2518, 0.3882



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.6929, 0.2804, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6484, 0.2518, 0.3882 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(56, 187, 152)` looks like.

```
.text, #text, p{  
    color:rgb(56, 187, 152)  
}
```

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(56, 187, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 187, 152) }
```

Border

The CSS property to change the border of an element to Yxy 38.6484, 0.2518, 0.3882 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(56, 187, 152) }
```

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

```
.border{ border-color:rgb(56, 187, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 187, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 187, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 187, 152);  
box-shadow:4px 4px 4px 4px rgb(56, 187,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6484, 0.2518, 0.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 187, 152) }
```

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

```
.background{ background-color: rgb(56, 187,  
152) }
```

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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