

Converting Colors

$Yxy(38.7095, 0.2748, 0.3866)$

Have a look what the booklet for
Yxy(38.7095, 0.2748, 0.3866)
contains.

Yxy(38.7144, 0.2746, 0.3860)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.7144, 0.2746, 0.3860)

Conversions

Conversions Part 1

Format	Color
Hex	64B794
RGB	100, 183, 148
RGB Percent	39%, 72%, 58%
CMY	0.6075, 0.2824, 0.4196
CMYK	0.45, 0.00, 0.19, 0.28
HSL	155°, 37%, 56%
HSV	155°, 45%, 72%
XYZ	27.5414, 38.7144, 34.0406
YIQ	154.1930, -38.2330, -28.4810

Conversions

Conversions Part 2

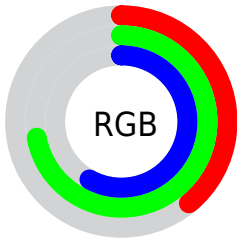
Format	Color
RYB	100, 153, 183
Decimal	6600596
CIELab	68.54, -33.55, 10.02
CIELCh	69, 35.013, 163.362
Yxy	38.7144, 0.2746, 0.3860
Android (android.graphics.Color)	4284790676 (0xFF64B794)
YUV	154.1930, -3.0531, -47.5273
Hunter-Lab	62.2209, -29.8755, 11.1175

Details

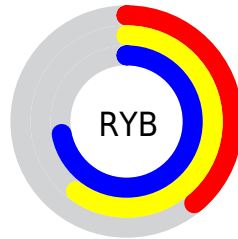
The Yxy color **38.7144, 0.2746, 0.3860** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **20.9478, 0.3801, 0.2797**, and the grayscale version is **32.4395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9658, 0.2822, 0.3740**, and **17.0991, 0.2619, 0.4054** is the 20% darker color. If you saturate the color by 10%, you get **37.5496, 0.2688, 0.4014**, and if you desaturate by 10%, it is **40.1331, 0.2817, 0.3715**.

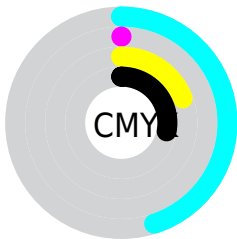
Distribution



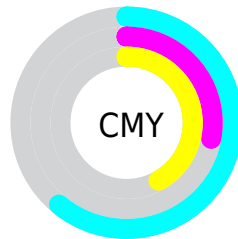
- Red (39%)
- Green (72%)
- Blue (58%)



- Red (39%)
- Yellow (60%)
- Blue (72%)



- Cyan (45%)
- Magenta (0%)
- Yellow (19%)
- Black (28%)





- Cyan (61%)
- Magenta (28%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7144, 0.2746, 0.3860 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 38.7144, 0.2746, 0.3860 by changing the saturation by 10% instead.


 38.7144, 0.2746,
0.3860


 38.7144, 0.2746,
0.3860


340.6747, 0.2947,
0.3556

 26.5376, 0.2692,
0.3943


 73.2018, 0.2822,
0.3744


 17.2263, 0.2621,
0.4054


 96.2812, 0.2849,
0.3702

 10.3959, 0.2521,
0.4210


 123.7637, 0.2872,
0.3668

 5.6623, 0.2374,
0.4445

 156.0335, 0.2892,
0.3638

 2.6408, 0.2137,
0.4835

193.4751, 0.2909,
0.3613

 0.9472, 0.0590,
0.6984

236.4729, 0.2923,

 0.0000, 0.0000,

0.3591

0.0000

285.4113, 0.2936,
0.3572

■ 38.7144, 0.2746,
0.3860

■ 38.7144, 0.2746,
0.3860

■ 37.5496, 0.2688,
0.4014

■ 40.1331, 0.2817,
0.3715

■ 36.6178, 0.2647,
0.4175

■ 41.8156, 0.2898,
0.3580

■ 35.9023, 0.2624,
0.4339


■ 43.7770, 0.2985,
0.3456

■ 35.3822, 0.2621,
0.4502

■ 46.0301, 0.3077,
0.3345

■ 35.0317, 0.2638,
0.4661

■ 48.5865, 0.3171,
0.3244

 34.8995, 0.2649,
0.4735

 51.4575, 0.3265,
0.3156

 54.6536, 0.3358,
0.3077

 58.1849, 0.3449,
0.3008

 60.1594, 0.3455,
0.2938

Harmonies

Analogous

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



38.7144, 0.3245, 0.4190



38.7144, 0.2746, 0.3860



38.7144, 0.2369, 0.3346

Triad

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



38.7144, 0.2746, 0.3860



38.7144, 0.2501, 0.2463



38.7144, 0.4160, 0.3574

Complementary

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



38.7144, 0.2746, 0.3860



20.9478, 0.3801, 0.2797

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.



38.7144, 0.3933, 0.3164



38.7144, 0.2746, 0.3860



38.7144, 0.2940, 0.2554

Square

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



38.7144, 0.2746, 0.3860



38.7144, 0.2241, 0.2563



38.7144, 0.3470, 0.2803



38.7144, 0.4079, 0.3956

Rectangle

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



38.7144, 0.2746, 0.3860



38.7144, 0.2228, 0.3013



38.7144, 0.3470, 0.2803



38.7144, 0.4117, 0.3436

Sweetspot

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



38.7160, 0.2746, 0.3860



78.8207, 0.2995, 0.3444



40.0203, 0.3353, 0.4565



17.2297, 0.2976, 0.3469



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



38.7160, 0.2746, 0.3860



67.3358, 0.2690, 0.4008



37.7607, 0.2513, 0.3203



10.1448, 0.3040, 0.3388



24.3629, 0.2644, 0.4717



0.8709, 0.2530, 0.4307

Inverse Universe

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



20.9478, 0.3801, 0.2797



31.6355, 0.4022, 0.2703



21.2160, 0.4283, 0.3372



9.0734, 0.3224, 0.3194



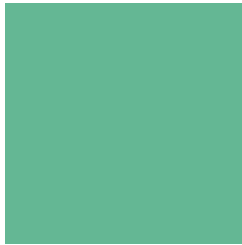
7.4122, 0.5256, 0.2669



0.2737, 0.4600, 0.2308

Previews

White Background



This preview shows how the Yxy color 38.7144, 0.2746, 0.3860 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 38.7144, 0.2746, 0.3860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

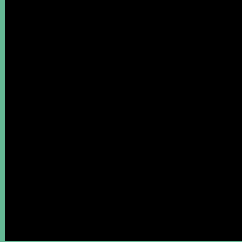
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7144, 0.2746, 0.3860

Background



This preview shows how black text looks on a background with the Yxy color 38.7144, 0.2746, 0.3860.



This preview shows how white text looks on a background with the Yxy color 38.7144, 0.2746, 0.3860.

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

38.7144, 0.2746, 0.3860

Protanopia

38.2505, 0.3455, 0.3673

Deuteranopia

38.0063, 0.3458, 0.3386



Tritanopia

38.5854, 0.2528, 0.3079

Trichromacy



Original Color

38.7144, 0.2746, 0.3860

Protanomaly

37.7539, 0.3159, 0.3745

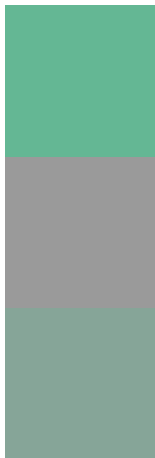
Deuteranomaly

37.2082, 0.3152, 0.3543

Tritanomaly

38.4611, 0.2607, 0.3351

Monochromacy



Original Color

38.7144, 0.2746, 0.3860

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.2456, 0.2955, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7144, 0.2746, 0.3860 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(100, 183, 148)` looks like.

```
.text, #text, p{  
    color:rgb(100, 183, 148)  
}
```

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(100, 183, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 183, 148) }
```

Border

The CSS property to change the border of an element to Yxy 38.7144, 0.2746, 0.3860 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(100, 183, 148) }
```

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

```
.border{ border-color:rgb(100, 183, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 183, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 183, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 183, 148);  
box-shadow:4px 4px 4px 4px rgb(100, 183,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7144, 0.2746, 0.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 183, 148) }
```

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

```
.background{ background-color: rgb(100,  
183, 148) }
```

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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