

Converting Colors

$Y_{xy}(37.9267, 0.2773, 0.3753)$

Have a look what the booklet for
Yxy(37.9267, 0.2773, 0.3753)
contains.

Yxy(38.0650, 0.2773, 0.3758)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.0650, 0.2773, 0.3758)

Conversions

Conversions Part 1

Format	Color
Hex	6CB497
RGB	108, 180, 151
RGB Percent	42%, 71%, 59%
CMY	0.5766, 0.2941, 0.4079
CMYK	0.40, 0.00, 0.16, 0.29
HSL	156°, 32%, 56%
HSV	156°, 40%, 71%
XYZ	28.0879, 38.0650, 35.1377
YIQ	155.1660, -33.6030, -24.2830

Conversions

Conversions Part 2

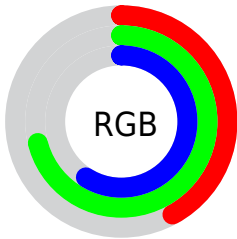
Format	Color
RYB	108, 153, 180
Decimal	7124119
CIELab	68.07, -29.32, 7.76
CIElCh	68, 30.334, 165.173
Yxy	38.0650, 0.2773, 0.3758
Android (android.graphics.Color)	4285314199 (0xFF6CB497)
YUV	155.1660, -2.0538, -41.3646
Hunter-Lab	61.6968, -26.7062, 9.4208

Details

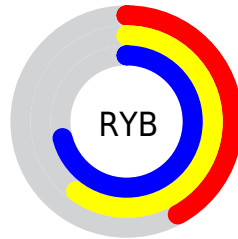
The Yxy color **38.0650, 0.2773, 0.3758** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **22.2302, 0.3709, 0.2873**, and the grayscale version is **32.8737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0801, 0.2842, 0.3664**, and **16.9111, 0.2661, 0.3924** is the 20% darker color. If you saturate the color by 10%, you get **36.8239, 0.2706, 0.3900**, and if you desaturate by 10%, it is **39.5567, 0.2851, 0.3625**.

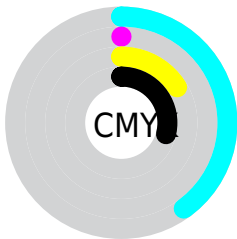
Distribution



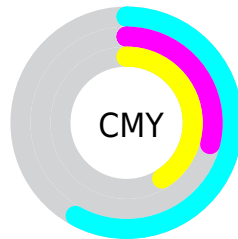
- Red (42%)
- Green (71%)
- Blue (59%)



- Red (42%)
- Yellow (60%)
- Blue (71%)



- Cyan (40%)
- Magenta (0%)
- Yellow (16%)
- Black (29%)




- Cyan (58%)
- Magenta (29%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0650, 0.2773, 0.3758 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 38.0650, 0.2773, 0.3758 by changing the saturation by 10% instead.


 38.0650, 0.2773,
0.3758


 38.0650, 0.2773,
0.3758


337.8987, 0.2959,
0.3509


 26.0331, 0.2723,
0.3826


 72.2078, 0.2843,
0.3664


 16.8484, 0.2658,
0.3916


 95.0874, 0.2868,
0.3629

 10.1265, 0.2567,
0.4042


 122.3519, 0.2890,
0.3601

 5.4829, 0.2432,
0.4232

 154.3854, 0.2908,
0.3577

 2.5333, 0.2216,
0.4548

191.5725, 0.2923,
0.3556

 0.8932, 0.0914,
0.6134

234.2974, 0.2937,

 0.0000, 0.0000,

0.3538

0.0000

282.9447, 0.2949,
0.3523

■ 38.0650, 0.2773,
0.3758

■ 38.0650, 0.2773,
0.3758

■ 36.8239, 0.2706,
0.3900

■ 39.5567, 0.2851,
0.3625

■ 35.8140, 0.2654,
0.4050

■ 41.3078, 0.2938,
0.3502

■ 35.0206, 0.2620,
0.4204


■ 43.3323, 0.3031,
0.3391


■ 34.4251, 0.2604,
0.4360

■ 45.6420, 0.3127,
0.3290

■ 34.0058, 0.2609,
0.4515

■ 48.2476, 0.3224,
0.3200

 33.7178, 0.2629,
0.4666

 51.1597, 0.3320,
0.3121

 54.3880, 0.3415,
0.3051

 57.9420, 0.3507,
0.2989

 58.8776, 0.3470,
0.2919

Harmonies

Analogous

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



38.0650, 0.3208, 0.4056



38.0650, 0.2773, 0.3758



38.0650, 0.2448, 0.3316

Triad

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



38.0650, 0.2773, 0.3758



38.0650, 0.2597, 0.2561



38.0650, 0.4030, 0.3570

Complementary

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



38.0650, 0.2773, 0.3758



22.2302, 0.3709, 0.2873

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.



38.0650, 0.3847, 0.3206



38.0650, 0.2773, 0.3758



38.0650, 0.2993, 0.2649

Square

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



38.0650, 0.2773, 0.3758



38.0650, 0.2354, 0.2643



38.0650, 0.3456, 0.2879



38.0650, 0.3948, 0.3898

Rectangle

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



38.0650, 0.2773, 0.3758



38.0650, 0.2328, 0.3030



38.0650, 0.3456, 0.2879



38.0650, 0.3998, 0.3448

Sweetspot

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



38.0665, 0.2773, 0.3758



77.7155, 0.3010, 0.3414



39.1306, 0.3322, 0.4406



16.6930, 0.2999, 0.3428



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.



38.0665, 0.2773, 0.3758



67.0089, 0.2714, 0.3883



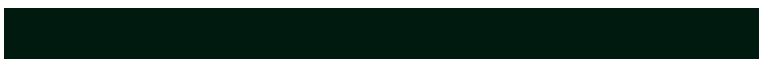
36.7567, 0.2569, 0.3195



9.5724, 0.3038, 0.3383



23.5439, 0.2624, 0.4647



0.7520, 0.2507, 0.4224

Inverse Universe

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



22.2302, 0.3709, 0.2873



34.3148, 0.3903, 0.2784



22.8160, 0.4081, 0.3381



8.5601, 0.3226, 0.3199



7.1163, 0.5331, 0.2710



0.2356, 0.4600, 0.2308

Previews

White Background



This preview shows how the Yxy color 38.0650, 0.2773, 0.3758 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 38.0650, 0.2773, 0.3758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

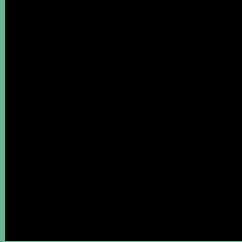
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0650, 0.2773, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 38.0650, 0.2773, 0.3758.



This preview shows how white text looks on a background with the Yxy color 38.0650, 0.2773, 0.3758.

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

38.0650, 0.2773, 0.3758

Protanopia

37.7777, 0.3401, 0.3604

Deuteranopia

37.4771, 0.3421, 0.3345



Tritanopia

38.1160, 0.2573, 0.3079

Trichromacy



Original Color

38.0650, 0.2773, 0.3758

Protanomaly

37.2143, 0.3137, 0.3653

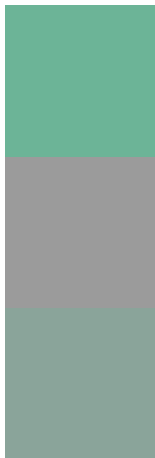
Deuteranomaly

37.1386, 0.3146, 0.3482

Tritanomaly

38.1168, 0.2647, 0.3319

Monochromacy



Original Color

38.0650, 0.2773, 0.3758

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.2873, 0.2974, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0650, 0.2773, 0.3758 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(108, 180, 151)` looks like.

```
.text, #text, p{  
    color:rgb(108, 180, 151)  
}
```

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(108, 180, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 180, 151) }
```

Border

The CSS property to change the border of an element to Yxy 38.0650, 0.2773, 0.3758 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(108, 180, 151) }
```

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

```
.border{ border-color:rgb(108, 180, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 180, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 180, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 180, 151);  
box-shadow:4px 4px 4px 4px rgb(108, 180,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0650, 0.2773, 0.3758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 180, 151) }
```

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

```
.background{ background-color: rgb(108,  
180, 151) }
```

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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