

Converting Colors

$Y_{xy}(38.4793, 0.2662, 0.3711)$

Have a look what the booklet for
Yxy(38.4793, 0.2662, 0.3711)
contains.

Yxy(38.2891, 0.2661, 0.3713)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.2891, 0.2661, 0.3713)

Conversions

Conversions Part 1

Format	Color
Hex	5FB69C
RGB	95, 182, 156
RGB Percent	37%, 71%, 61%
CMY	0.6278, 0.2862, 0.3883
CMYK	0.48, 0.00, 0.14, 0.29
HSL	162°, 37%, 54%
HSV	162°, 48%, 71%
XYZ	27.4407, 38.2891, 37.3919
YIQ	153.0230, -43.5060, -26.5300

Conversions

Conversions Part 2

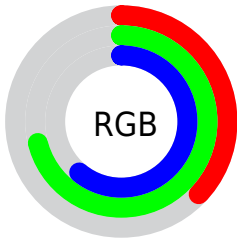
Format	Color
RYB	95, 146, 182
Decimal	6272668
CIELab	68.23, -32.61, 5.17
CIELCh	68, 33.019, 170.986
Yxy	38.2891, 0.2661, 0.3713
Android (android.graphics.Color)	4284462748 (0xFF5FB69C)
YUV	153.0230, 1.4677, -50.8862
Hunter-Lab	61.8782, -29.1287, 7.4868

Details

The Yxy color **38.2891, 0.2661, 0.3713** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **19.4955, 0.4020, 0.2921**, and the grayscale version is **31.8653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2862, 0.2752, 0.3630**, and **17.1137, 0.2517, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **37.2480, 0.2597, 0.3820**, and if you desaturate by 10%, it is **39.5692, 0.2741, 0.3611**.

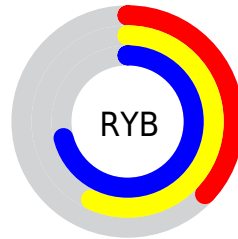
Distribution



Red (37%)

Green (71%)

Blue (61%)



Red (37%)

Yellow (57%)

Blue (71%)

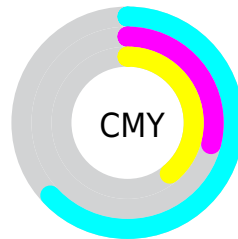


Cyan (48%)

Magenta (0%)

Yellow (14%)

Black (29%)



Cyan (63%)


Magenta (29%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2891, 0.2661, 0.3713 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 38.2891, 0.2661, 0.3713 by changing the saturation by 10% instead.


 38.2891, 0.2661,
0.3713


 38.2891, 0.2661,
0.3713


338.8585, 0.2903,
0.3490


 26.2071, 0.2597,
0.3773


 72.5510, 0.2751,
0.3629


 16.9787, 0.2514,
0.3852


 95.4998, 0.2785,
0.3598

 10.2193, 0.2400,
0.3963


 122.8396, 0.2812,
0.3573

 5.5446, 0.2234,
0.4127

 154.9549, 0.2836,
0.3551

 2.5702, 0.1974,
0.4393

192.2301, 0.2856,
0.3532

 0.9117, 0.0435,
0.5653

235.0494, 0.2874,

 0.0000, 0.0000,

0.3516

0.0000

283.7975, 0.2890,
0.3502

■ 38.2891, 0.2661,
0.3713

■ 38.2891, 0.2661,
0.3713

■ 37.2480, 0.2597,
0.3820

■ 39.5692, 0.2741,
0.3611

■ 36.4250, 0.2549,
0.3931

■ 41.0982, 0.2832,
0.3516

■ 35.8035, 0.2521,
0.4043


■ 42.8913, 0.2933,
0.3428


■ 35.3619, 0.2513,
0.4156

■ 44.9608, 0.3040,
0.3348


■ 35.0670, 0.2523,
0.4268


■ 47.3184, 0.3151,
0.3275

 35.0110, 0.2525,
0.4292

 49.9752, 0.3264,
0.3210

 52.9414, 0.3376,
0.3152

 56.2270, 0.3487,
0.3101

 59.1270, 0.3563,
0.3054

Harmonies

Analogous

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



38.2891, 0.3116, 0.4085



38.2891, 0.2661, 0.3713



38.2891, 0.2345, 0.3220

Triad

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



38.2891, 0.2661, 0.3713



38.2891, 0.2625, 0.2509



38.2891, 0.4113, 0.3662

Complementary

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



38.2891, 0.2661, 0.3713



19.4955, 0.4020, 0.2921

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.



38.2891, 0.3969, 0.3270



38.2891, 0.2661, 0.3713



38.2891, 0.3075, 0.2636

Square

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



38.2891, 0.2661, 0.3713



38.2891, 0.2329, 0.2558



38.2891, 0.3577, 0.2907



38.2891, 0.3968, 0.4001

Rectangle

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



38.2891, 0.2661, 0.3713



38.2891, 0.2245, 0.2924



38.2891, 0.3577, 0.2907



38.2891, 0.4098, 0.3533

Sweetspot

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



38.2906, 0.2661, 0.3713



79.0442, 0.2971, 0.3398



38.3552, 0.3260, 0.4686



17.2859, 0.2948, 0.3416



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.



38.2906, 0.2661, 0.3713



67.4988, 0.2596, 0.3821



32.5711, 0.2451, 0.3009



10.1637, 0.3024, 0.3359



24.7319, 0.2522, 0.4279



0.8822, 0.2442, 0.3991

Inverse Universe

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



19.4955, 0.4020, 0.2921



29.4921, 0.4325, 0.2858



22.4345, 0.4293, 0.3543



9.0552, 0.3242, 0.3222



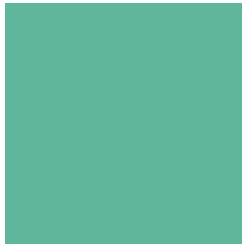
7.2242, 0.5734, 0.2933



0.2659, 0.4981, 0.2517

Previews

White Background



This preview shows how the Yxy color 38.2891, 0.2661, 0.3713 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 38.2891, 0.2661, 0.3713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

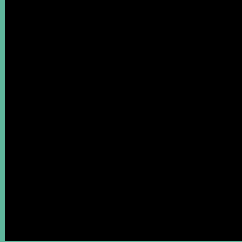
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2891, 0.2661, 0.3713

Background



This preview shows how black text looks on a background with the Yxy color 38.2891, 0.2661, 0.3713.



This preview shows how white text looks on a background with the Yxy color 38.2891, 0.2661, 0.3713.

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

38.2891, 0.2661, 0.3713

Protanopia

37.9011, 0.3364, 0.3546

Deuteranopia

37.7821, 0.3342, 0.3277



Tritanopia

38.2091, 0.2492, 0.3077

Trichromacy



Original Color

38.2891, 0.2661, 0.3713

Protanomaly

37.3476, 0.3068, 0.3609

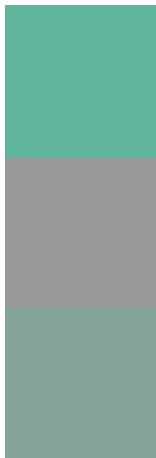
Deuteranomaly

37.0878, 0.3048, 0.3424

Tritanomaly

38.2213, 0.2552, 0.3304

Monochromacy



Original Color

38.2891, 0.2661, 0.3713

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.7895, 0.2921, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2891, 0.2661, 0.3713 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(95, 182, 156)` looks like.

```
.text, #text, p{  
    color:rgb(95, 182, 156)  
}
```

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(95, 182, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 182, 156) }
```

Border

The CSS property to change the border of an element to Yxy 38.2891, 0.2661, 0.3713 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(95, 182, 156) }
```

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

```
.border{ border-color:rgb(95, 182, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 182, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 182, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 182, 156);  
box-shadow:4px 4px 4px 4px rgb(95, 182,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2891, 0.2661, 0.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 182, 156) }
```

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

```
.background{ background-color: rgb(95, 182,  
156) }
```

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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