

Converting Colors

$Yxy(38.1918, 0.2768, 0.4043)$

Have a look what the booklet for
Yxy(38.1918, 0.2768, 0.4043)
contains.

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Color

Yxy(38.0291, 0.2767, 0.4042)

Conversions

Conversions Part 1

Format	Color
Hex	5DB78A
RGB	93, 183, 138
RGB Percent	36%, 72%, 54%
CMY	0.6355, 0.2823, 0.4587
CMYK	0.49, 0.00, 0.25, 0.28
HSL	150°, 38%, 54%
HSV	150°, 49%, 72%
XYZ	26.0333, 38.0291, 30.0225
YIQ	150.9600, -39.1950, -33.0750

Conversions

Conversions Part 2

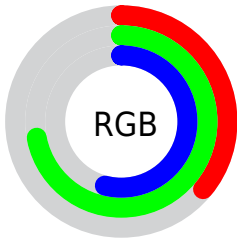
Format	Color
RYB	93, 153, 183
Decimal	6141834
CIELab	68.04, -37.54, 14.73
CIELCh	68, 40.322, 158.580
Yxy	38.0291, 0.2767, 0.4042
Android (android.graphics.Color)	4284331914 (0xFF5DB78A)
YUV	150.9600, -6.3893, -50.8309
Hunter-Lab	61.6677, -32.5641, 14.3025

Details

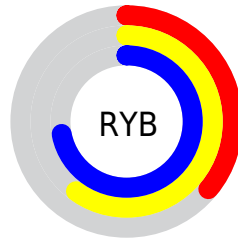
The Yxy color **38.0291, 0.2767, 0.4042** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **19.7227, 0.3782, 0.2662**, and the grayscale version is **30.9670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4218, 0.2838, 0.3886**, and **16.7452, 0.2638, 0.4300** is the 20% darker color. If you saturate the color by 10%, you get **36.9339, 0.2722, 0.4230**, and if you desaturate by 10%, it is **39.3781, 0.2826, 0.3863**.

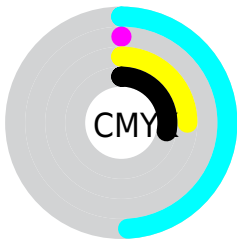
Distribution



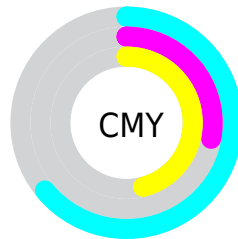
- Red (36%)
- Green (72%)
- Blue (54%)



- Red (36%)
- Yellow (60%)
- Blue (72%)



- Cyan (49%)
- Magenta (0%)
- Yellow (25%)
- Black (28%)





- Cyan (64%)
- Magenta (28%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0291, 0.2767, 0.4042 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 38.0291, 0.2767, 0.4042 by changing the saturation by 10% instead.

 38.0291, 0.2767,
0.4042


 38.0291, 0.2767,
0.4042


337.7448, 0.2962,
0.3635

 26.0053, 0.2713,
0.4155


 72.1527, 0.2842,
0.3886


 16.8276, 0.2641,
0.4307


 95.0213, 0.2868,
0.3830

 10.1116, 0.2538,
0.4523


 122.2737, 0.2891,
0.3784

 5.4730, 0.2381,
0.4852

 154.2941, 0.2909,
0.3744

 2.5274, 0.2118,
0.5407

191.4670, 0.2925,
0.3711

 0.8903, 0.0000,
1.0000

234.1768, 0.2939,

 0.0000, 0.0000,

0.3682

0.0000

282.8080, 0.2951,
0.3657

■ 38.0291, 0.2767,
0.4042

■ 38.0291, 0.2767,
0.4042

■ 36.9339, 0.2722,
0.4230

■ 39.3781, 0.2826,
0.3863

■ 36.0708, 0.2694,
0.4425

■ 40.9918, 0.2894,
0.3696

■ 35.4220, 0.2684,
0.4619


■ 42.8859, 0.2971,
0.3543

■ 34.9647, 0.2695,
0.4809


■ 45.0735, 0.3051,
0.3405


■ 34.6576, 0.2721,
0.4990


■ 47.5669, 0.3134,
0.3281

 34.6355, 0.2724,
0.5005

 50.3778, 0.3217,
0.3170

 53.5170, 0.3298,
0.3073

 56.9951, 0.3378,
0.2988

 60.3131, 0.3432,
0.2910

Harmonies

Analogous

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



38.0291, 0.3348, 0.4371



38.0291, 0.2767, 0.4042



38.0291, 0.2310, 0.3448

Triad

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



38.0291, 0.2767, 0.4042



38.0291, 0.2346, 0.2349



38.0291, 0.4305, 0.3527

Complementary

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



38.0291, 0.2767, 0.4042



19.7227, 0.3782, 0.2662

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.



38.0291, 0.3989, 0.3069



38.0291, 0.2767, 0.4042



38.0291, 0.2816, 0.2423

Square

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



38.0291, 0.2767, 0.4042



38.0291, 0.2092, 0.2492



38.0291, 0.3422, 0.2679



38.0291, 0.4261, 0.3978

Rectangle

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



38.0291, 0.2767, 0.4042



38.0291, 0.2127, 0.3047



38.0291, 0.3422, 0.2679



38.0291, 0.4238, 0.3371

Sweetspot

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



38.0306, 0.2767, 0.4042



78.2875, 0.3002, 0.3487



40.0613, 0.3418, 0.4659



17.1147, 0.2985, 0.3516



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.



38.0306, 0.2767, 0.4042



66.0090, 0.2719, 0.4245



39.6141, 0.2490, 0.3288



10.1331, 0.3050, 0.3406



24.1741, 0.2718, 0.4984



0.8647, 0.2586, 0.4508

Inverse Universe

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



19.7227, 0.3782, 0.2662



29.4171, 0.4004, 0.2546



18.6791, 0.4482, 0.3294



9.0850, 0.3212, 0.3176



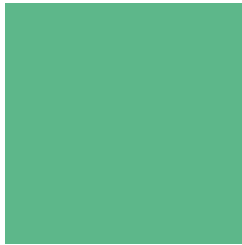
7.5689, 0.4934, 0.2491



0.2793, 0.4375, 0.2184

Previews

White Background



This preview shows how the Yxy color 38.0291, 0.2767, 0.4042 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 38.0291, 0.2767, 0.4042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

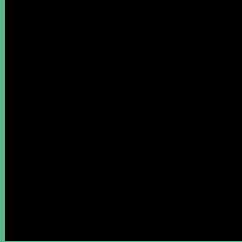
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0291, 0.2767, 0.4042

Background



This preview shows how black text looks on a background with the Yxy color 38.0291, 0.2767, 0.4042.

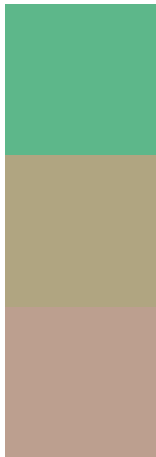


This preview shows how white text looks on a background with the Yxy color 38.0291, 0.2767, 0.4042.

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

38.0291, 0.2767, 0.4042

Protanopia

37.7254, 0.3559, 0.3802

Deuteranopia

37.4708, 0.3568, 0.3509



Tritanopia

37.8942, 0.2507, 0.3076

Trichromacy



Original Color

38.0291, 0.2767, 0.4042



Protanomaly

37.2820, 0.3224, 0.3906



Deuteranomaly

36.7007, 0.3219, 0.3698



Tritanomaly

38.0053, 0.2601, 0.3415

Monochromacy



Original Color

38.0291, 0.2767, 0.4042



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

33.0155, 0.2968, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0291, 0.2767, 0.4042 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(93, 183, 138)` looks like.

```
.text, #text, p{  
    color:rgb(93, 183, 138)  
}
```

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(93, 183, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 183, 138) }
```

Border

The CSS property to change the border of an element to Yxy 38.0291, 0.2767, 0.4042 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(93, 183, 138) }
```

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

```
.border{ border-color:rgb(93, 183, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 183, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 183, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 183, 138);  
box-shadow:4px 4px 4px 4px rgb(93, 183,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0291, 0.2767, 0.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 183, 138) }
```

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

```
.background{ background-color: rgb(93, 183,  
138) }
```

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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