

Converting Colors

$Yxy(38.1358, 0.2697, 0.3542)$

Have a look what the booklet for
Yxy(38.1358, 0.2697, 0.3542)
contains.

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Color

Yxy(38.1358, 0.2697, 0.3542)

Conversions

Conversions Part 1

Format	Color
Hex	6DB3A3
RGB	109, 179, 163
RGB Percent	43%, 70%, 64%
CMY	0.5726, 0.2980, 0.3607
CMYK	0.39, 0.00, 0.09, 0.30
HSL	166°, 32%, 56%
HSV	166°, 39%, 70%
XYZ	29.0379, 38.1358, 40.4937
YIQ	156.2460, -36.5840, -19.8160

Conversions

Conversions Part 2

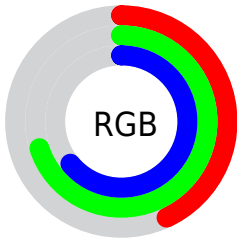
Format	Color
RYB	109, 149, 179
Decimal	7189411
CIELab	68.12, -25.84, 1.21
CIElCh	68, 25.863, 177.321
Yxy	38.1358, 0.2697, 0.3542
Android (android.graphics.Color)	4285379491 (0xFF6DB3A3)
YUV	156.2460, 3.3297, -41.4347
Hunter-Lab	61.7542, -24.1360, 4.3500

Details

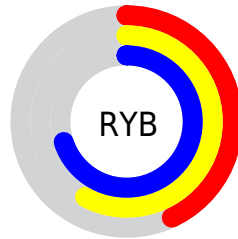
The Yxy color **38.1358, 0.2697, 0.3542** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.9976, 0.3859, 0.3058**, and the grayscale version is **33.3582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2651, 0.2776, 0.3491**, and **16.9102, 0.2570, 0.3633** is the 20% darker color. If you saturate the color by 10%, you get **36.9715, 0.2613, 0.3619**, and if you desaturate by 10%, it is **39.5391, 0.2794, 0.3470**.

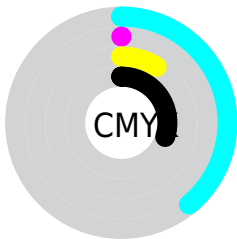
Distribution



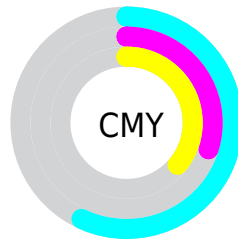
- Red (43%)
- Green (70%)
- Blue (64%)



- Red (43%)
- Yellow (58%)
- Blue (70%)



- Cyan (39%)
- Magenta (0%)
- Yellow (9%)
- Black (30%)





- Cyan (57%)
- Magenta (30%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1358, 0.2697, 0.3542 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 38.1358, 0.2697, 0.3542 by changing the saturation by 10% instead.


 38.1358, 0.2697,
0.3542


 38.1358, 0.2697,
0.3542


338.2022, 0.2919,
0.3411


 26.0881, 0.2639,
0.3576


 72.3162, 0.2779,
0.3493


 16.8896, 0.2564,
0.3621

 95.2178, 0.2810,
0.3475

 10.1558, 0.2461,
0.3683


 122.5060, 0.2835,
0.3460

 5.5024, 0.2314,
0.3772

 154.5654, 0.2857,
0.3448

 2.5449, 0.2083,
0.3913

191.7803, 0.2876,
0.3437

 0.8991, 0.1109,
0.4457

234.5352, 0.2892,

 0.0000, 0.0000,

0.3427

0.0000

283.2143, 0.2906,
0.3419

■ 38.1358, 0.2697,
0.3542

■ 38.1358, 0.2697,
0.3542

■ 36.9715, 0.2613,
0.3619

■ 39.5391, 0.2794,
0.3470

■ 36.0273, 0.2545,
0.3698

■ 41.1897, 0.2902,
0.3403

■ 35.2891, 0.2494,
0.3781


■ 43.1013, 0.3018,
0.3341


■ 34.7392, 0.2463,
0.3864


■ 45.2849, 0.3138,
0.3285


■ 34.3565, 0.2451,
0.3948

■ 47.7513, 0.3261,
0.3235


 34.1022, 0.2455,
0.4031

 50.5103, 0.3384,
0.3190

 34.0815, 0.2455,
0.4038

 53.5715, 0.3506,
0.3151

 56.9440, 0.3626,
0.3116

 57.6619, 0.3614,
0.3075

Harmonies

Analogous

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



38.1358, 0.3044, 0.3857



38.1358, 0.2697, 0.3542



38.1358, 0.2472, 0.3165

Triad

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



38.1358, 0.2697, 0.3542



38.1358, 0.2800, 0.2674



38.1358, 0.3895, 0.3659

Complementary

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



38.1358, 0.2697, 0.3542



21.9976, 0.3859, 0.3058

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.



38.1358, 0.3828, 0.3349



38.1358, 0.2697, 0.3542



38.1358, 0.3174, 0.2804

Square

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



38.1358, 0.2697, 0.3542



38.1358, 0.2529, 0.2687



38.1358, 0.3557, 0.3044



38.1358, 0.3743, 0.3899

Rectangle

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



38.1358, 0.2697, 0.3542



38.1358, 0.2413, 0.2946



38.1358, 0.3557, 0.3044



38.1358, 0.3898, 0.3559

Sweetspot

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



38.1373, 0.2697, 0.3542



76.0820, 0.2981, 0.3360



37.7298, 0.3206, 0.4417



16.7570, 0.2966, 0.3367



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.



38.1373, 0.2697, 0.3542



66.4645, 0.2623, 0.3608



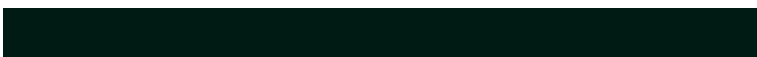
31.7618, 0.2549, 0.2991



9.5977, 0.3015, 0.3342



24.0927, 0.2452, 0.4029



0.7662, 0.2388, 0.3798

Inverse Universe

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



21.9976, 0.3859, 0.3058



33.4607, 0.4111, 0.3009



26.0366, 0.3975, 0.3566



8.5360, 0.3252, 0.3238



6.8931, 0.5963, 0.3059



0.2258, 0.5188, 0.2631

Previews

White Background



This preview shows how the Yxy color 38.1358, 0.2697, 0.3542 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 38.1358, 0.2697, 0.3542 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 38.1358, 0.2697, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 38.1358, 0.2697, 0.3542.



This preview shows how white text looks on a background with the Yxy color 38.1358, 0.2697, 0.3542.

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

38.1358, 0.2697, 0.3542

Protanopia

37.9348, 0.3272, 0.3432

Deuteranopia

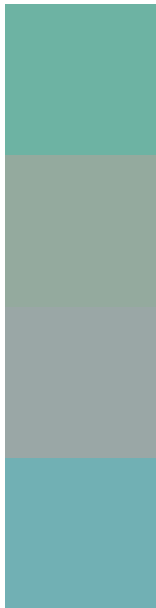
37.6349, 0.3257, 0.3195



Tritanopia

38.0471, 0.2567, 0.3079

Trichromacy



Original Color

38.1358, 0.2697, 0.3542

Protanomaly

37.5140, 0.3029, 0.3469

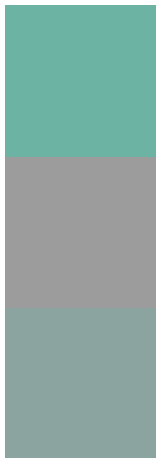
Deuteranomaly

37.2606, 0.3018, 0.3304

Tritanomaly

37.8567, 0.2606, 0.3227

Monochromacy



Original Color

38.1358, 0.2697, 0.3542

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.5431, 0.2942, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1358, 0.2697, 0.3542 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(109, 179, 163)` looks like.

```
.text, #text, p{  
    color:rgb(109, 179, 163)  
}
```

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(109, 179, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 179, 163) }
```

Border

The CSS property to change the border of an element to Yxy 38.1358, 0.2697, 0.3542 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(109, 179, 163) }
```

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

```
.border{ border-color:rgb(109, 179, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 179, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 179, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 179, 163);  
box-shadow:4px 4px 4px 4px rgb(109, 179,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1358, 0.2697, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 179, 163) }
```

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

```
.background{ background-color: rgb(109,  
179, 163) }
```

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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