

Converting Colors

$Yxy(38.8087, 0.2554, 0.3326)$

Have a look what the booklet for
Yxy(38.8087, 0.2554, 0.3326)
contains.

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Color

Yxy(38.6236, 0.2555, 0.3319)

Conversions

Conversions Part 1

Format	Color
Hex	65B4B2
RGB	101, 180, 178
RGB Percent	40%, 71%, 70%
CMY	0.6035, 0.2942, 0.3019
CMYK	0.44, 0.00, 0.01, 0.29
HSL	178°, 34%, 55%
HSV	178°, 44%, 71%
XYZ	29.7328, 38.6236, 48.0148
YIQ	156.1510, -46.4420, -17.3700

Conversions

Conversions Part 2

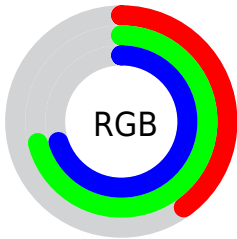
Format	Color
RYB	101, 141, 180
Decimal	6665394
CIELab	68.48, -24.71, -6.58
CIElCh	68, 25.570, 194.910
Yxy	38.6236, 0.2555, 0.3319
Android (android.graphics.Color)	4284855474 (0xFF65B4B2)
YUV	156.1510, 10.7716, -48.3674
Hunter-Lab	62.1479, -23.3607, -2.3033

Details

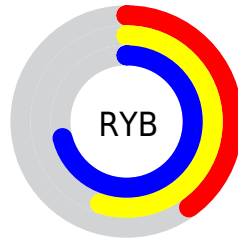
The Yxy color **38.6236, 0.2555, 0.3319** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.0087, 0.4232, 0.3265**, and the grayscale version is **33.2939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9993, 0.2657, 0.3312**, and **17.1949, 0.2390, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **37.6782, 0.2462, 0.3327**, and if you desaturate by 10%, it is **39.7996, 0.2665, 0.3312**.

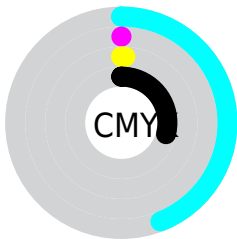
Distribution



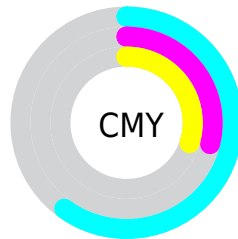
- Red (40%)
- Green (71%)
- Blue (70%)



- Red (40%)
- Yellow (55%)
- Blue (71%)



- Cyan (44%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)




- Cyan (60%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6236, 0.2555, 0.3319 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 38.6236, 0.2555, 0.3319 by changing the saturation by 10% instead.


 38.6236, 0.2555,
0.3319


 38.6236, 0.2555,
0.3319


340.2875, 0.2846,
0.3309

 26.4670, 0.2481,
0.3320


 73.0630, 0.2662,
0.3317

 17.1734, 0.2386,
0.3319


 96.1145, 0.2701,
0.3316

 10.3582, 0.2258,
0.3317


 123.5666, 0.2735,
0.3314

 5.6371, 0.2079,
0.3309

 155.8035, 0.2763,
0.3313

 2.6257, 0.1810,
0.3287

193.2096, 0.2788,
0.3312

 0.9396, 0.1029,
0.3346

236.1694, 0.2810,

 0.0000, 0.0000,

0.3311

0.0000

285.0673, 0.2829,
0.3310

■ 38.6236, 0.2555,
0.3319

■ 38.6236, 0.2555,
0.3319

■ 37.6782, 0.2462,
0.3327

■ 39.7996, 0.2665,
0.3312

■ 36.9440, 0.2388,
0.3335

■ 41.2155, 0.2789,
0.3305

■ 36.4055, 0.2332,
0.3343

■ 42.8852, 0.2925,
0.3298


■ 36.0436, 0.2295,
0.3351

■ 44.8204, 0.3070,
0.3292

■ 35.8350, 0.2275,
0.3359


■ 47.0322, 0.3221,
0.3287

 35.7522, 0.2268,
0.3363

 49.5308, 0.3376,
0.3282

 52.3262, 0.3532,
0.3278

 55.4277, 0.3686,
0.3274

 57.2781, 0.3769,
0.3270

Harmonies

Analogous

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



38.6236, 0.2835, 0.3682



38.6236, 0.2555, 0.3319



38.6236, 0.2426, 0.2975

Triad

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



38.6236, 0.2555, 0.3319



38.6236, 0.3014, 0.2742



38.6236, 0.3820, 0.3806

Complementary

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



38.6236, 0.2555, 0.3319



20.0087, 0.4232, 0.3265

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.



38.6236, 0.3883, 0.3532



38.6236, 0.2555, 0.3319



38.6236, 0.3401, 0.2939

Square

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



38.6236, 0.2555, 0.3319



38.6236, 0.2678, 0.2670



38.6236, 0.3727, 0.3220



38.6236, 0.3566, 0.3963

Rectangle

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



38.6236, 0.2555, 0.3319



38.6236, 0.2436, 0.2806



38.6236, 0.3727, 0.3220



38.6236, 0.3865, 0.3724

Sweetspot

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



38.6251, 0.2555, 0.3319



77.9708, 0.2933, 0.3298



36.5061, 0.3084, 0.4624



16.6993, 0.2903, 0.3299



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.



38.6251, 0.2555, 0.3319



68.3169, 0.2462, 0.3327



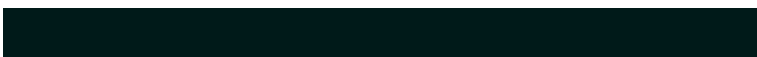
25.7638, 0.2441, 0.2680



9.6278, 0.2989, 0.3295



24.9579, 0.2267, 0.3363



0.7864, 0.2261, 0.3340

Inverse Universe

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



20.0087, 0.4232, 0.3265



30.0033, 0.4645, 0.3261



28.7953, 0.4015, 0.3822



8.5086, 0.3283, 0.3285



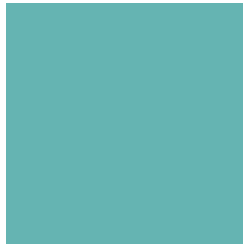
6.7807, 0.6368, 0.3281



0.2145, 0.6230, 0.3206

Previews

White Background



This preview shows how the Yxy color 38.6236, 0.2555, 0.3319 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 38.6236, 0.2555, 0.3319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

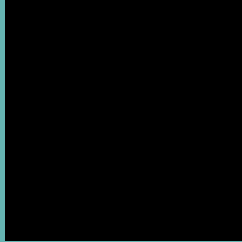
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6236, 0.2555, 0.3319

Background



This preview shows how black text looks on a background with the Yxy color 38.6236, 0.2555, 0.3319.

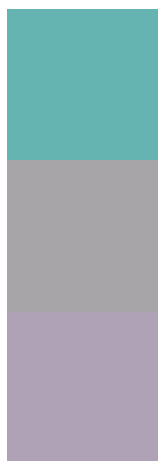


This preview shows how white text looks on a background with the Yxy color 38.6236, 0.2555, 0.3319.

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

38.6236, 0.2555, 0.3319

Protanopia

38.0997, 0.3121, 0.3234

Deuteranopia

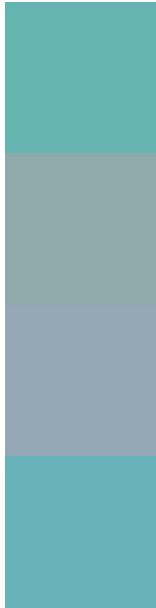
38.3320, 0.3075, 0.3019



Tritanopia

38.6498, 0.2489, 0.3077

Trichromacy



Original Color

38.6236, 0.2555, 0.3319

Protanomaly

37.6573, 0.2885, 0.3260

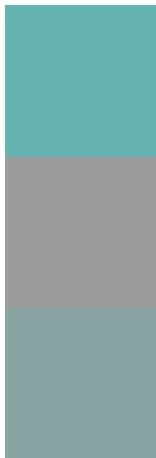
Deuteranomaly

38.0080, 0.2848, 0.3116

Tritanomaly

38.7711, 0.2515, 0.3166

Monochromacy



Original Color

38.6236, 0.2555, 0.3319

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.8248, 0.2876, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6236, 0.2555, 0.3319 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(101, 180, 178)` looks like.

```
.text, #text, p{  
    color:rgb(101, 180, 178)  
}
```

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(101, 180, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 180, 178) }
```

Border

The CSS property to change the border of an element to Yxy 38.6236, 0.2555, 0.3319 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(101, 180, 178) }
```

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

```
.border{ border-color:rgb(101, 180, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 180, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 180, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 180, 178);  
box-shadow:4px 4px 4px 4px rgb(101, 180,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6236, 0.2555, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 180, 178) }
```

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

```
.background{ background-color: rgb(101,  
180, 178) }
```

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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