

Converting Colors

$Yxy(37.9104, 0.2600, 0.3405)$

Have a look what the booklet for
Yxy(37.9104, 0.2600, 0.3405)
contains.

Yxy(38.0053, 0.2601, 0.3415)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.0053, 0.2601, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	66B3AB
RGB	102, 179, 171
RGB Percent	40%, 70%, 67%
CMY	0.6002, 0.2980, 0.3294
CMYK	0.43, 0.00, 0.04, 0.30
HSL	174°, 34%, 55%
HSV	174°, 43%, 70%
XYZ	28.9464, 38.0053, 44.3377
YIQ	155.0650, -43.3240, -18.8120

Conversions

Conversions Part 2

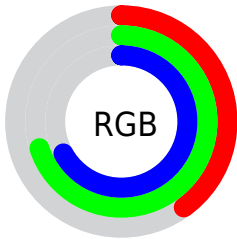
Format	Color
RYB	102, 143, 179
Decimal	6730667
CIELab	68.02, -25.78, -3.37
CIElCh	68, 25.995, 187.451
Yxy	38.0053, 0.2601, 0.3415
Android (android.graphics.Color)	4284920747 (0xFF66B3AB)
YUV	155.0650, 7.8560, -46.5380
Hunter-Lab	61.6484, -24.0720, 0.5124

Details

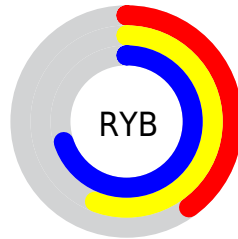
The Yxy color **38.0053, 0.2601, 0.3415** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.2043, 0.4111, 0.3176**, and the grayscale version is **32.7839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0757, 0.2701, 0.3396**, and **16.8345, 0.2441, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **37.0015, 0.2513, 0.3449**, and if you desaturate by 10%, it is **39.2389, 0.2705, 0.3383**.

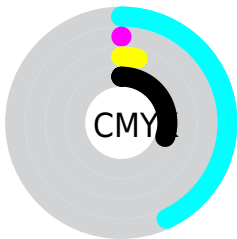
Distribution



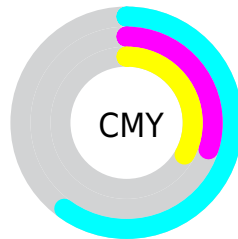
- Red (40%)
- Green (70%)
- Blue (67%)



- Red (40%)
- Yellow (56%)
- Blue (70%)



- Cyan (43%)
- Magenta (0%)
- Yellow (4%)
- Black (30%)





- Cyan (60%)
- Magenta (30%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0053, 0.2601, 0.3415 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 38.0053, 0.2601, 0.3415 by changing the saturation by 10% instead.


 38.0053, 0.2601,
0.3415


 38.0053, 0.2601,
0.3415


337.6427, 0.2870,
0.3354


 25.9868, 0.2532,
0.3430


 72.1163, 0.2700,
0.3393


 16.8138, 0.2442,
0.3448


 94.9775, 0.2737,
0.3385

 10.1018, 0.2321,
0.3472


 122.2218, 0.2768,
0.3378

 5.4665, 0.2149,
0.3504

 154.2335, 0.2794,
0.3372

 2.5235, 0.1888,
0.3546

191.3971, 0.2817,
0.3366

 0.8884, 0.0925,
0.3818

234.0969, 0.2837,

 0.0000, 0.0000,

0.3362

0.0000

282.7173, 0.2855,
0.3357

■ 38.0053, 0.2601,
0.3415

■ 38.0053, 0.2601,
0.3415

■ 37.0015, 0.2513,
0.3449

■ 39.2389, 0.2705,
0.3383

■ 36.2082, 0.2442,
0.3484

■ 40.7112, 0.2822,
0.3352

■ 35.6107, 0.2390,
0.3519


■ 42.4360, 0.2950,
0.3324

■ 35.1900, 0.2357,
0.3555


■ 44.4248, 0.3085,
0.3297


■ 34.9235, 0.2341,
0.3590

■ 46.6883, 0.3225,
0.3274

 34.7964, 0.2337,
0.3614

 49.2368, 0.3368,
0.3253

 52.0799, 0.3511,
0.3234

 55.2268, 0.3652,
0.3217

 57.1242, 0.3721,
0.3200

Harmonies

Analogous

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



38.0053, 0.2916, 0.3769



38.0053, 0.2601, 0.3415



38.0053, 0.2428, 0.3046

Triad

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



38.0053, 0.2601, 0.3415



38.0053, 0.2917, 0.2700



38.0053, 0.3871, 0.3755

Complementary

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



38.0053, 0.2601, 0.3415



20.2043, 0.4111, 0.3176

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.



38.0053, 0.3881, 0.3457



38.0053, 0.2601, 0.3415



38.0053, 0.3310, 0.2872

Square

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



38.0053, 0.2601, 0.3415



38.0053, 0.2601, 0.2662



38.0053, 0.3670, 0.3142



38.0053, 0.3654, 0.3954

Rectangle

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



38.0053, 0.2601, 0.3415



38.0053, 0.2409, 0.2852



38.0053, 0.3670, 0.3142



38.0053, 0.3900, 0.3662

Sweetspot

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



38.0068, 0.2601, 0.3415



75.9340, 0.2947, 0.3324



36.5787, 0.3136, 0.4576



16.6648, 0.2919, 0.3330



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.



38.0068, 0.2601, 0.3415



66.2870, 0.2514, 0.3448



27.7223, 0.2471, 0.2804



9.6160, 0.2999, 0.3314



24.5913, 0.2336, 0.3610



0.7781, 0.2309, 0.3512

Inverse Universe

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



20.2043, 0.4111, 0.3176



30.0704, 0.4475, 0.3154



26.9090, 0.4035, 0.3722



8.5191, 0.3271, 0.3267



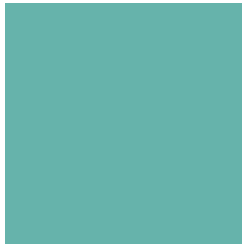
6.8094, 0.6257, 0.3221



0.2189, 0.5762, 0.2948

Previews

White Background



This preview shows how the Yxy color 38.0053, 0.2601, 0.3415 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 38.0053, 0.2601, 0.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

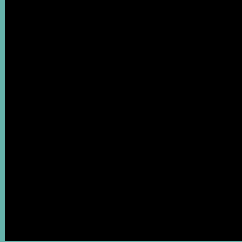
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

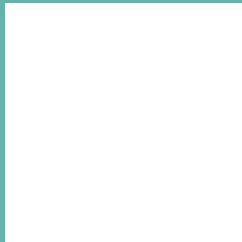
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.0053, 0.2601, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 38.0053, 0.2601, 0.3415.



This preview shows how white text looks on a background with the Yxy color 38.0053, 0.2601, 0.3415.

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

38.0053, 0.2601, 0.3415

Protanopia

37.4844, 0.3182, 0.3319

Deuteranopia

37.4669, 0.3146, 0.3085



Tritanopia

37.8942, 0.2507, 0.3076

Trichromacy



Original Color

38.0053, 0.2601, 0.3415

Protanomaly

37.0218, 0.2939, 0.3349

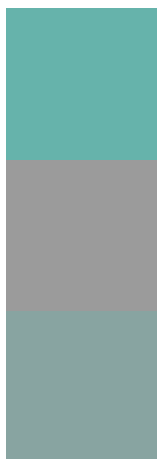
Deuteranomaly

37.0830, 0.2909, 0.3187

Tritanomaly

37.8664, 0.2540, 0.3196

Monochromacy



Original Color

38.0053, 0.2601, 0.3415

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.3584, 0.2899, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0053, 0.2601, 0.3415 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(102, 179, 171)` looks like.

```
.text, #text, p{  
    color:rgb(102, 179, 171)  
}
```

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(102, 179, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 179, 171) }
```

Border

The CSS property to change the border of an element to Yxy 38.0053, 0.2601, 0.3415 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(102, 179, 171) }
```

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

```
.border{ border-color:rgb(102, 179, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 179, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 179, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 179, 171);  
box-shadow:4px 4px 4px 4px rgb(102, 179,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0053, 0.2601, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 179, 171) }
```

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

```
.background{ background-color: rgb(102,  
179, 171) }
```

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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