

Converting Colors

$Y_{xy}(40.0087, 0.2665, 0.3207)$

Have a look what the booklet for
Yxy(40.0087, 0.2665, 0.3207)
contains.

Yxy(40.0609, 0.2666, 0.3215)	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(40.0609, 0.2666, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	7DB3B8
RGB	125, 179, 184
RGB Percent	49%, 70%, 72%
CMY	0.5101, 0.2980, 0.2785
CMYK	0.32, 0.03, 0.00, 0.28
HSL	185°, 29%, 61%
HSV	185°, 32%, 72%
XYZ	33.2200, 40.0609, 51.3253
YIQ	163.4240, -33.7890, -9.8930

Conversions

Conversions Part 2

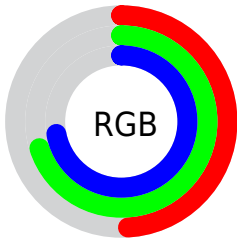
Format	Color
RYB	125, 153, 184
Decimal	8238008
CIELab	69.51, -16.39, -8.22
CIELCh	70, 18.333, 206.624
Yxy	40.0609, 0.2666, 0.3215
Android (android.graphics.Color)	4286428088 (0xFF7DB3B8)
YUV	163.4240, 10.1440, -33.6978
Hunter-Lab	63.2937, -17.0773, -3.7731

Details

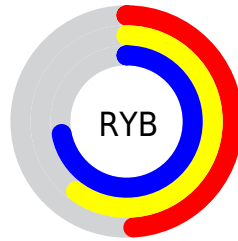
The Yxy color **40.0609, 0.2666, 0.3215** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.6063, 0.3829, 0.3363**, and the grayscale version is **36.7930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2916, 0.2749, 0.3233**, and **17.9769, 0.2533, 0.3183** is the 20% darker color. If you saturate the color by 10%, you get **38.1869, 0.2544, 0.3188**, and if you desaturate by 10%, it is **42.2015, 0.2800, 0.3240**.

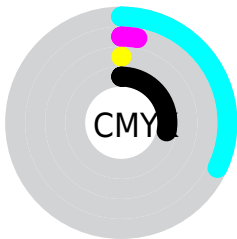
Distribution



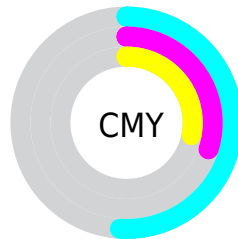
- Red (49%)
- Green (70%)
- Blue (72%)



- Red (49%)
- Yellow (60%)
- Blue (72%)



- Cyan (32%)
- Magenta (3%)
- Yellow (0%)
- Black (28%)





- Cyan (51%)
- Magenta (30%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0609, 0.2666, 0.3215 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 40.0609, 0.2666, 0.3215 by changing the saturation by 10% instead.


 40.0609, 0.2666,
0.3215


 40.0609, 0.2666,
0.3215


346.3802, 0.2899,
0.3257

 27.5860, 0.2607,
0.3203


 75.2562, 0.2751,
0.3232

 18.0138, 0.2531,
0.3186


 98.7455, 0.2783,
0.3237

 10.9599, 0.2429,
0.3162


 126.6750, 0.2810,
0.3242

 6.0399, 0.2287,
0.3126

159.4292, 0.2833,
0.3246

 2.8694, 0.2072,
0.3063

197.3924, 0.2853,
0.3250

 1.0639, 0.1669,
0.2954

240.9490, 0.2870,

 0.0000, 0.0000,

0.3253

0.0000

290.4835, 0.2886,
0.3255

■ 40.0609, 0.2666,
0.3215

■ 40.0609, 0.2666,
0.3215

■ 38.1869, 0.2544,
0.3188

■ 42.2015, 0.2800,
0.3240

■ 36.5605, 0.2438,
0.3161

■ 44.6171, 0.2944,
0.3264

■ 35.1677, 0.2348,
0.3132

■ 47.3215, 0.3095,
0.3286

■ 33.9911, 0.2277,
0.3104

■ 50.3261, 0.3249,
0.3306

■ 33.0109, 0.2225,
0.3075

■ 53.6419, 0.3405,
0.3323

■ 32.2032, 0.2191,
0.3046

■ 57.2790, 0.3560,
0.3339

■ 31.6500, 0.2174,
0.3024

■ 61.2474, 0.3712,
0.3353

■ 62.1639, 0.3719,
0.3369

■ 62.8454, 0.3714,
0.3385

Harmonies

Analogous

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



40.0609, 0.2832, 0.3471



40.0609, 0.2666, 0.3215



40.0609, 0.2619, 0.2995

Triad

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



40.0609, 0.2666, 0.3215



40.0609, 0.3157, 0.2940



40.0609, 0.3564, 0.3717

Complementary

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



40.0609, 0.2666, 0.3215



27.6063, 0.3829, 0.3363

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.



40.0609, 0.3662, 0.3553



40.0609, 0.2666, 0.3215



40.0609, 0.3422, 0.3113

Square

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



40.0609, 0.2666, 0.3215



40.0609, 0.2894, 0.2850



40.0609, 0.3610, 0.3334



40.0609, 0.3348, 0.3769

Rectangle

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



40.0609, 0.2666, 0.3215



40.0609, 0.2660, 0.2897



40.0609, 0.3610, 0.3334



40.0609, 0.3612, 0.3672

Sweetspot

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



40.0625, 0.2666, 0.3215



81.7949, 0.2973, 0.3268



40.2403, 0.3048, 0.4144



17.4919, 0.2952, 0.3265



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.



40.0625, 0.2666, 0.3215



70.0200, 0.2573, 0.3195



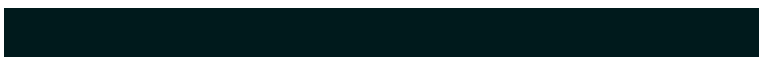
29.4794, 0.2611, 0.2756



10.0777, 0.2985, 0.3270



21.8650, 0.2174, 0.3028



0.8091, 0.2195, 0.3101

Inverse Universe

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



28.0927, 0.3216, 0.2564



44.9139, 0.3240, 0.2398



36.5959, 0.3701, 0.3770



9.1493, 0.3150, 0.3083



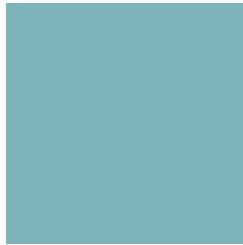
8.9896, 0.3430, 0.1663



0.3208, 0.3367, 0.1628

Previews

White Background



This preview shows how the Yxy color 40.0609, 0.2666, 0.3215 looks on a white background.

Color Contrast Check

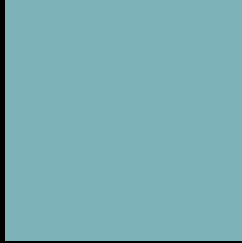
Large Text (above 18pt) WCAG AA × Fail

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 40.0609, 0.2666, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

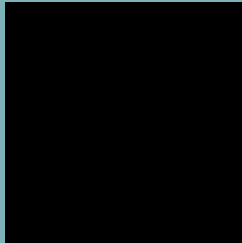
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

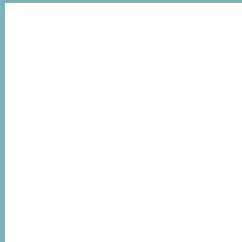
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0609, 0.2666, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 40.0609, 0.2666, 0.3215.



This preview shows how white text looks on a background with the Yxy color 40.0609, 0.2666, 0.3215.

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

40.0609, 0.2666, 0.3215

Protanopia

39.7256, 0.3070, 0.3166

Deuteranopia

39.8452, 0.3050, 0.2997



Tritanopia

40.1586, 0.2626, 0.3085

Trichromacy



Original Color

40.0609, 0.2666, 0.3215

Protanomaly

39.6704, 0.2907, 0.3176

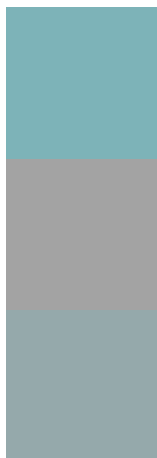
Deuteranomaly

39.5637, 0.2894, 0.3066

Tritanomaly

39.9505, 0.2639, 0.3128

Monochromacy



Original Color

40.0609, 0.2666, 0.3215

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.7058, 0.2934, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0609, 0.2666, 0.3215 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(125, 179, 184)` looks like.

```
.text, #text, p{  
    color:rgb(125, 179, 184)  
}
```

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(125, 179, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 179, 184) }
```

Border

The CSS property to change the border of an element to Yxy 40.0609, 0.2666, 0.3215 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(125, 179, 184) }
```

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

```
.border{ border-color:rgb(125, 179, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 179, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 179, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 179, 184);  
box-shadow:4px 4px 4px 4px rgb(125, 179,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0609, 0.2666, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 179, 184) }
```

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

```
.background{ background-color: rgb(125,  
179, 184) }
```

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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