

Converting Colors

$Yxy(38.6505, 0.2363, 0.3320)$

Have a look what the booklet for
Yxy(38.6505, 0.2363, 0.3320)
contains.

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Color

Yxy(38.6505, 0.2363, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	3DB8B6
RGB	61, 184, 182
RGB Percent	24%, 72%, 71%
CMY	0.7606, 0.2784, 0.2863
CMYK	0.67, 0.00, 0.01, 0.28
HSL	179°, 50%, 48%
HSV	179°, 67%, 72%
XYZ	27.5094, 38.6505, 50.2573
YIQ	146.9950, -72.6660, -26.6980

Conversions

Conversions Part 2

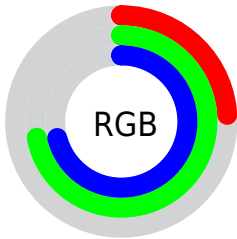
Format	Color
RYB	61, 123, 184
Decimal	4044982
CIELab	68.50, -33.47, -8.88
CIElCh	68, 34.632, 194.856
Yxy	38.6505, 0.2363, 0.3320
Android (android.graphics.Color)	4282235062 (0xFF3DB8B6)
YUV	146.9950, 17.2575, -75.4176
Hunter-Lab	62.1695, -29.8123, -4.4108

Details

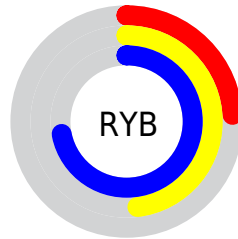
The Yxy color **38.6505, 0.2363, 0.3320** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **13.8937, 0.5262, 0.3273**, and the grayscale version is **29.1318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8532, 0.2503, 0.3312**, and **17.5502, 0.2253, 0.3310** is the 20% darker color. If you saturate the color by 10%, you get **38.1518, 0.2313, 0.3325**, and if you desaturate by 10%, it is **39.3525, 0.2432, 0.3315**.

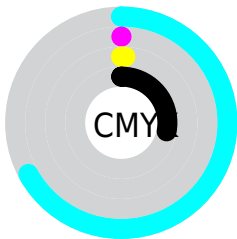
Distribution



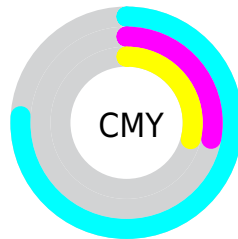
- Red (24%)
- Green (72%)
- Blue (71%)



- Red (24%)
- Yellow (48%)
- Blue (72%)



- Cyan (67%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)





- Cyan (76%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6505, 0.2363, 0.3320 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 38.6505, 0.2363, 0.3320 by changing the saturation by 10% instead.


 38.6505, 0.2363,
0.3320


 38.6505, 0.2363,
0.3320


340.4023, 0.2748,
0.3314

 26.4879, 0.2267,
0.3318


 73.1041, 0.2503,
0.3320


 17.1890, 0.2143,
0.3314


 96.1639, 0.2556,
0.3320

 10.3694, 0.1980,
0.3304


 123.6250, 0.2600,
0.3319

 5.6445, 0.1755,
0.3282

 155.8716, 0.2638,
0.3318

 2.6302, 0.1429,
0.3231

 193.2883, 0.2671,
0.3317

 0.9419, 0.0271,
0.3320

236.2594, 0.2700,

 0.0000, 0.0000,

0.3316

0.0000

285.1692, 0.2725,
0.3315

■ 38.6505, 0.2363,
0.3320

■ 38.6505, 0.2363,
0.3320

■ 38.1518, 0.2313,
0.3325

■ 39.3525, 0.2432,
0.3315

■ 37.8305, 0.2280,
0.3330

■ 40.2718, 0.2520,
0.3310

■ 37.6585, 0.2264,
0.3336

■ 41.4263, 0.2626,
0.3305

■ 37.6168, 0.2260,
0.3337

■ 42.8307, 0.2747,
0.3301

■ 44.4987, 0.2881,
0.3296

■ 46.4428, 0.3025,
0.3292

■ 48.6749, 0.3176,
0.3289

■ 51.2060, 0.3332,
0.3286

■ 54.0467, 0.3489,
0.3283

Harmonies

Analogous

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



38.6505, 0.2728, 0.3831



38.6505, 0.2363, 0.3320



38.6505, 0.2200, 0.2854

Triad

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



38.6505, 0.2363, 0.3320



38.6505, 0.2967, 0.2569



38.6505, 0.4058, 0.3966

Complementary

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



38.6505, 0.2363, 0.3320



13.8937, 0.5262, 0.3273

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.



38.6505, 0.4152, 0.3592



38.6505, 0.2363, 0.3320



38.6505, 0.3493, 0.2824

Square

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



38.6505, 0.2363, 0.3320



38.6505, 0.2525, 0.2471



38.6505, 0.3942, 0.3186



38.6505, 0.3708, 0.4201

Rectangle

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



38.6505, 0.2363, 0.3320



38.6505, 0.2214, 0.2636



38.6505, 0.3942, 0.3186



38.6505, 0.4122, 0.3851

Sweetspot

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



38.6520, 0.2363, 0.3320



79.5457, 0.2832, 0.3298



35.6791, 0.3038, 0.5408



16.9664, 0.2795, 0.3299



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.



38.6520, 0.2363, 0.3320



68.8591, 0.2296, 0.3328



19.0153, 0.2102, 0.2238



10.2080, 0.2988, 0.3293



25.9261, 0.2260, 0.3337



0.9148, 0.2256, 0.3323

Inverse Universe

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



13.8937, 0.5262, 0.3273



20.8216, 0.5904, 0.3279



24.0767, 0.4635, 0.4075



9.0145, 0.3285, 0.3287



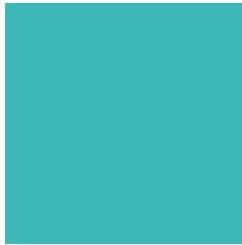
7.0287, 0.6379, 0.3288



0.2486, 0.6293, 0.3241

Previews

White Background



This preview shows how the Yxy color 38.6505, 0.2363, 0.3320 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 38.6505, 0.2363, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

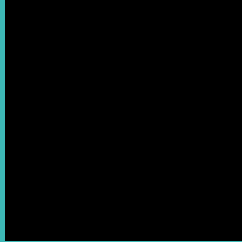
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

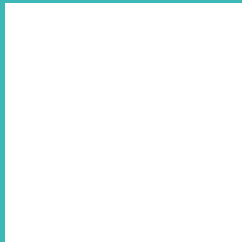
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.6505, 0.2363, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 38.6505, 0.2363, 0.3320.

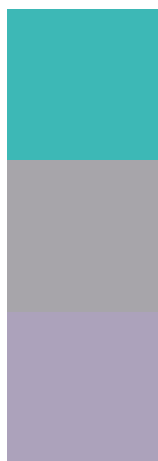


This preview shows how white text looks on a background with the Yxy color 38.6505, 0.2363, 0.3320.

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

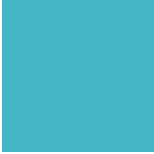
38.6505, 0.2363, 0.3320

Protanopia

38.0280, 0.3103, 0.3220

Deuteranopia

38.1992, 0.3006, 0.2951



Tritanopia

38.7523, 0.2308, 0.3057

Trichromacy



Original Color

38.6505, 0.2363, 0.3320



Protanomaly

37.1502, 0.2745, 0.3258



Deuteranomaly

37.1578, 0.2695, 0.3067



Tritanomaly

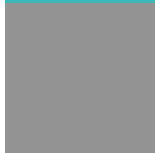
38.8310, 0.2326, 0.3147

Monochromacy



Original Color

38.6505, 0.2363, 0.3320



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.3927, 0.2736, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6505, 0.2363, 0.3320 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(61, 184, 182)` looks like.

```
.text, #text, p{  
    color:rgb(61, 184, 182)  
}
```

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(61, 184, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 184, 182) }
```

Border

The CSS property to change the border of an element to Yxy 38.6505, 0.2363, 0.3320 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(61, 184, 182) }
```

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

```
.border{ border-color:rgb(61, 184, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 184, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 184, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 184, 182);  
box-shadow:4px 4px 4px 4px rgb(61, 184,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6505, 0.2363, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 184, 182) }
```

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

```
.background{ background-color: rgb(61, 184,  
182) }
```

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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