

Converting Colors

$Yxy(39.9457, 0.2333, 0.3205)$

Have a look what the booklet for
Yxy(39.9457, 0.2333, 0.3205)
contains.

Yxy(39.9694, 0.2335, 0.3210)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.9694, 0.2335, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	40BABF
RGB	64, 186, 191
RGB Percent	25%, 73%, 75%
CMY	0.7492, 0.2706, 0.2510
CMYK	0.67, 0.03, 0.00, 0.25
HSL	182°, 50%, 50%
HSV	182°, 67%, 75%
XYZ	29.0743, 39.9694, 55.4716
YIQ	150.0920, -74.3170, -24.3090

Conversions

Conversions Part 2

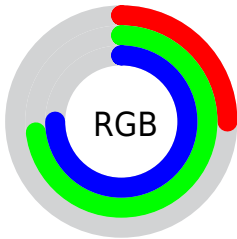
Format	Color
RYB	64, 126, 191
Decimal	4242111
CIELab	69.45, -31.41, -12.41
CIELCh	69, 33.778, 201.558
Yxy	39.9694, 0.2335, 0.3210
Android (android.graphics.Color)	4282432191 (0xFF40BABF)
YUV	150.0920, 20.1676, -75.5027
Hunter-Lab	63.2214, -28.5486, -7.7672

Details

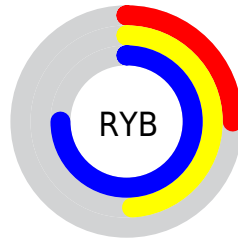
The Yxy color **39.9694, 0.2335, 0.3210** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **15.6950, 0.5241, 0.3353**, and the grayscale version is **30.4718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4058, 0.2482, 0.3241**, and **18.3375, 0.2210, 0.3157** is the 20% darker color. If you saturate the color by 10%, you get **39.1217, 0.2278, 0.3197**, and if you desaturate by 10%, it is **41.0409, 0.2411, 0.3223**.

Distribution



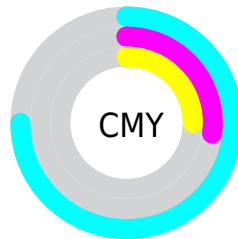
- Red (25%)
- Green (73%)
- Blue (75%)



- Red (25%)
- Yellow (49%)
- Blue (75%)



- Cyan (67%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)




- Cyan (75%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9694, 0.2335, 0.3210 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 39.9694, 0.2335, 0.3210 by changing the saturation by 10% instead.


 39.9694, 0.2335,
0.3210


 39.9694, 0.2335,
0.3210


345.9946, 0.2730,
0.3262

 27.5147, 0.2238,
0.3193


 75.1169, 0.2478,
0.3232


 17.9601, 0.2113,
0.3169

 98.5785, 0.2532,
0.3239


 10.9214, 0.1950,
0.3132

 126.4778, 0.2577,
0.3245

 6.0140, 0.1728,
0.3072

 159.1993, 0.2617,
0.3250

 2.8536, 0.1413,
0.2965

 197.1273, 0.2651,
0.3254

 1.0558, 0.0612,
0.2846

240.6463, 0.2680,

 0.0000, 0.0000,

0.3257

0.0000

290.1406, 0.2707,
0.3260

■ 39.9694, 0.2335,
0.3210

■ 39.9694, 0.2335,
0.3210

■ 39.1217, 0.2278,
0.3197

■ 41.0409, 0.2411,
0.3223

■ 38.4698, 0.2240,
0.3184

■ 42.3519, 0.2505,
0.3236

■ 37.9843, 0.2219,
0.3171

■ 43.9218, 0.2616,
0.3249

■ 37.8331, 0.2213,
0.3167

■ 45.7667, 0.2742,
0.3261

■ 47.9015, 0.2880,
0.3273

■ 50.3400, 0.3027,
0.3283

■ 53.0952, 0.3181,
0.3293

■ 56.1791, 0.3339,
0.3302

■ 59.6033, 0.3497,
0.3311

Harmonies

Analogous

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



39.9694, 0.2649, 0.3708



39.9694, 0.2335, 0.3210



39.9694, 0.2224, 0.2790

Triad

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



39.9694, 0.2335, 0.3210



39.9694, 0.3084, 0.2636



39.9694, 0.3969, 0.4012

Complementary

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



39.9694, 0.2335, 0.3210



15.6950, 0.5241, 0.3353

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.



39.9694, 0.4121, 0.3671



39.9694, 0.2335, 0.3210



39.9694, 0.3590, 0.2910

Square

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



39.9694, 0.2335, 0.3210



39.9694, 0.2628, 0.2504



39.9694, 0.3982, 0.3277



39.9694, 0.3591, 0.4188

Rectangle

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



39.9694, 0.2335, 0.3210



39.9694, 0.2269, 0.2607



39.9694, 0.3982, 0.3277



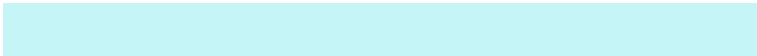
39.9694, 0.4050, 0.3910

Sweetspot

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



39.9709, 0.2335, 0.3210



84.2775, 0.2826, 0.3268



38.7692, 0.3010, 0.5355



18.2684, 0.2787, 0.3265



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.9709, 0.2335, 0.3210



69.4722, 0.2258, 0.3191



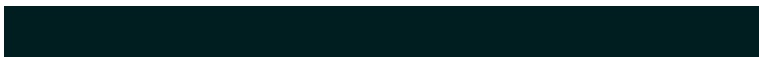
19.0754, 0.2077, 0.2127



10.7435, 0.2985, 0.3280



24.8923, 0.2214, 0.3168



0.9952, 0.2222, 0.3199

Inverse Universe

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



18.2830, 0.3259, 0.1851



28.3401, 0.3284, 0.1684



27.8698, 0.4564, 0.4153



9.6896, 0.3144, 0.3073



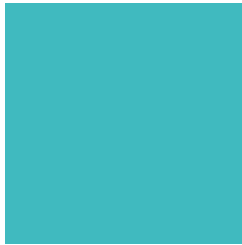
9.5426, 0.3309, 0.1596



0.3758, 0.3283, 0.1582

Previews

White Background



This preview shows how the Yxy color 39.9694, 0.2335, 0.3210 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 39.9694, 0.2335, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

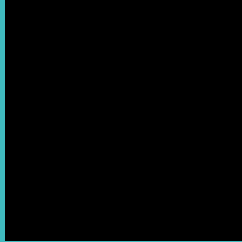
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

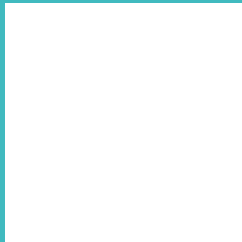
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9694, 0.2335, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 39.9694, 0.2335, 0.3210.

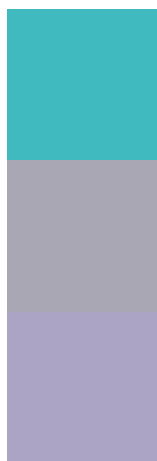


This preview shows how white text looks on a background with the Yxy color 39.9694, 0.2335, 0.3210.

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

39.9694, 0.2335, 0.3210

Protanopia

39.2169, 0.3035, 0.3124

Deuteranopia

39.3071, 0.2933, 0.2864



Tritanopia

40.1333, 0.2305, 0.3060

Trichromacy



Original Color

39.9694, 0.2335, 0.3210



Protanomaly

38.4368, 0.2700, 0.3155



Deuteranomaly

38.3866, 0.2644, 0.2971



Tritanomaly

39.9224, 0.2312, 0.3104

Monochromacy



Original Color

39.9694, 0.2335, 0.3210



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

32.8329, 0.2727, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9694, 0.2335, 0.3210 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(64, 186, 191)` looks like.

```
.text, #text, p{  
    color:rgb(64, 186, 191)  
}
```

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(64, 186, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 186, 191) }
```

Border

The CSS property to change the border of an element to Yxy 39.9694, 0.2335, 0.3210 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(64, 186, 191) }
```

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

```
.border{ border-color:rgb(64, 186, 191) }
```

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

Here you see how a box with a 4 pixel rgb(64, 186, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 186, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 186, 191);  
box-shadow:4px 4px 4px 4px rgb(64, 186,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9694, 0.2335, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 186, 191) }
```

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

```
.background{ background-color: rgb(64, 186,  
191) }
```

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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