

Converting Colors

$Yxy(34.5809, 0.2410, 0.3207)$

Have a look what the booklet for
Yxy(34.5809, 0.2410, 0.3207)
contains.

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Color

Yxy(34.6793, 0.2408, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	4DADB2
RGB	77, 173, 178
RGB Percent	30%, 68%, 70%
CMY	0.6976, 0.3216, 0.3019
CMYK	0.57, 0.03, 0.00, 0.30
HSL	183°, 40%, 50%
HSV	183°, 57%, 70%
XYZ	26.0473, 34.6793, 47.4434
YIQ	144.8660, -58.8210, -18.7970

Conversions

Conversions Part 2

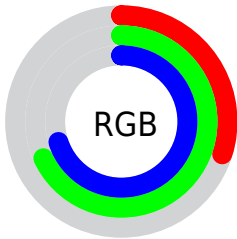
Format	Color
RYB	77, 126, 178
Decimal	5090738
CIELab	65.50, -26.51, -11.11
CIELCh	65, 28.747, 202.735
Yxy	34.6793, 0.2408, 0.3206
Android (android.graphics.Color)	4283280818 (0xFF4DADB2)
YUV	144.8660, 16.3351, -59.5185
Hunter-Lab	58.8891, -24.1034, -6.5439

Details

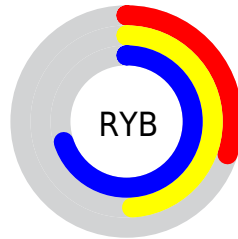
The Yxy color **34.6793, 0.2408, 0.3206** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.0584, 0.4762, 0.3364**, and the grayscale version is **28.2212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1300, 0.2541, 0.3227**, and **14.9136, 0.2214, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **33.6991, 0.2331, 0.3189**, and if you desaturate by 10%, it is **35.8671, 0.2503, 0.3222**.

Distribution



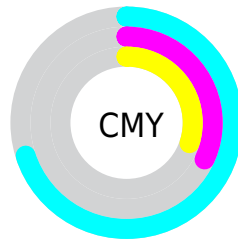
- Red (30%)
- Green (68%)
- Blue (70%)



- Red (30%)
- Yellow (49%)
- Blue (70%)



- Cyan (57%)
- Magenta (3%)
- Yellow (0%)
- Black (30%)





- Cyan (70%)
- Magenta (32%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6793, 0.2408, 0.3206 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 34.6793, 0.2408, 0.3206 by changing the saturation by 10% instead.

 34.6793, 0.2408,
0.3206


 34.6793, 0.2408,
0.3206


323.1505, 0.2776,
0.3259

 23.4159, 0.2314,
0.3189


 66.9887, 0.2544,
0.3228

 14.9009, 0.2192,
0.3164


 88.8034, 0.2594,
0.3236


 8.7499, 0.2028,
0.3125


 114.9042, 0.2637,
0.3242

 4.5784, 0.1798,
0.3062

 145.6752, 0.2673,
0.3247

 2.0021, 0.1457,
0.2943

 181.5010, 0.2704,
0.3251

 0.6087, 0.0000,
0.2857

222.7658, 0.2731,

 0.0000, 0.0000,

0.3254

0.0000

269.8542, 0.2755,
0.3257

■ 34.6793, 0.2408,
0.3206

■ 34.6793, 0.2408,
0.3206

■ 33.6991, 0.2331,
0.3189

■ 35.8671, 0.2503,
0.3222

■ 32.9056, 0.2273,
0.3173

■ 37.2735, 0.2615,
0.3238

■ 32.2803, 0.2234,
0.3156

■ 38.9136, 0.2741,
0.3254

■ 31.7961, 0.2210,
0.3140

■ 40.7998, 0.2879,
0.3268

■ 31.6482, 0.2204,
0.3135

■ 42.9437, 0.3026,
0.3282

■ 45.3562, 0.3179,
0.3294

■ 48.0476, 0.3335,
0.3305

■ 51.0275, 0.3492,
0.3315

■ 54.3053, 0.3648,
0.3324

Harmonies

Analogous

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



34.6793, 0.2687, 0.3645



34.6793, 0.2408, 0.3206



34.6793, 0.2313, 0.2834

Triad

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



34.6793, 0.2408, 0.3206



34.6793, 0.3109, 0.2707



34.6793, 0.3872, 0.3950

Complementary

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



34.6793, 0.2408, 0.3206



16.0584, 0.4762, 0.3364

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.



34.6793, 0.4014, 0.3653



34.6793, 0.2408, 0.3206



34.6793, 0.3557, 0.2961

Square

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



34.6793, 0.2408, 0.3206



34.6793, 0.2695, 0.2582



34.6793, 0.3899, 0.3297



34.6793, 0.3531, 0.4091

Rectangle

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



34.6793, 0.2408, 0.3206



34.6793, 0.2359, 0.2672



34.6793, 0.3899, 0.3297



34.6793, 0.3946, 0.3863

Sweetspot

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



34.6806, 0.2408, 0.3206



73.7570, 0.2870, 0.3267



34.0126, 0.3024, 0.5028



16.1842, 0.2842, 0.3264



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.



34.6806, 0.2408, 0.3206



60.7157, 0.2315, 0.3185



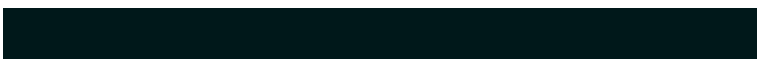
19.2629, 0.2224, 0.2336



9.5577, 0.2986, 0.3278



22.6706, 0.2205, 0.3137



0.7352, 0.2217, 0.3182

Inverse Universe

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



17.8070, 0.3252, 0.2027



27.4888, 0.3281, 0.1831



26.2160, 0.4301, 0.4054



8.6393, 0.3145, 0.3077



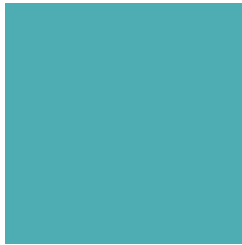
8.8287, 0.3336, 0.1611



0.2800, 0.3297, 0.1590

Previews

White Background



This preview shows how the Yxy color 34.6793, 0.2408, 0.3206 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 34.6793, 0.2408, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

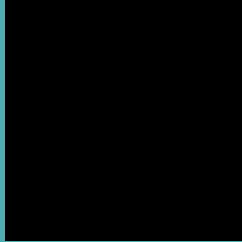
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6793, 0.2408, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 34.6793, 0.2408, 0.3206.

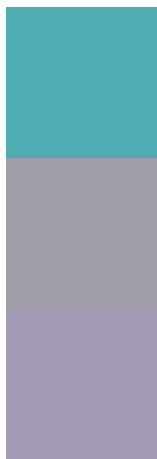


This preview shows how white text looks on a background with the Yxy color 34.6793, 0.2408, 0.3206.

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

34.6793, 0.2408, 0.3206

Protanopia

34.2102, 0.3039, 0.3129

Deuteranopia

34.1700, 0.2956, 0.2894



Tritanopia

34.7557, 0.2374, 0.3064

Trichromacy



Original Color

34.6793, 0.2408, 0.3206

Protanomaly

33.8401, 0.2755, 0.3150

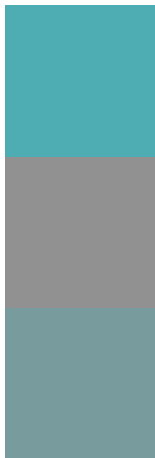
Deuteranomaly

33.6512, 0.2701, 0.2986

Tritanomaly

34.5862, 0.2386, 0.3111

Monochromacy



Original Color

34.6793, 0.2408, 0.3206

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.8701, 0.2785, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6793, 0.2408, 0.3206 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(77, 173, 178)` looks like.

```
.text, #text, p{  
    color:rgb(77, 173, 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(77, 173, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 173, 178) }
```

Border

The CSS property to change the border of an element to Yxy 34.6793, 0.2408, 0.3206 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(77, 173, 178) }
```

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

```
.border{ border-color:rgb(77, 173, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 173, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 173, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 173, 178);  
box-shadow:4px 4px 4px 4px rgb(77, 173,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6793, 0.2408, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 173, 178) }
```

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

```
.background{ background-color: rgb(77, 173,  
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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