

Converting Colors

$Y_{xy}(36.6220, 0.2485, 0.3328)$

Have a look what the booklet for
Yxy(36.6220, 0.2485, 0.3328)
contains.

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Color

Yxy(36.5179, 0.2482, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	56B1AF
RGB	86, 177, 175
RGB Percent	34%, 69%, 69%
CMY	0.6626, 0.3059, 0.3137
CMYK	0.51, 0.00, 0.01, 0.31
HSL	179°, 37%, 52%
HSV	179°, 51%, 69%
XYZ	27.3004, 36.5179, 46.1753
YIQ	149.5630, -53.5940, -19.9140

Conversions

Conversions Part 2

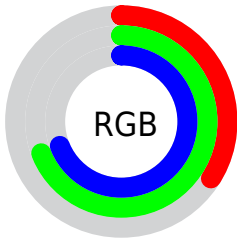
Format	Color
RYB	86, 132, 177
Decimal	5681583
CIELab	66.91, -27.49, -7.31
CIElCh	67, 28.443, 194.885
Yxy	36.5179, 0.2482, 0.3320
Android (android.graphics.Color)	4283871663 (0xFF56B1AF)
YUV	149.5630, 12.5404, -55.7448
Hunter-Lab	60.4300, -25.1118, -3.0032

Details

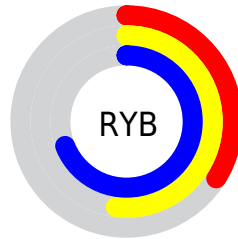
The Yxy color **36.5179, 0.2482, 0.3320** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.7112, 0.4538, 0.3266**, and the grayscale version is **30.2711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8306, 0.2607, 0.3325**, and **15.9740, 0.2287, 0.3311** is the 20% darker color. If you saturate the color by 10%, you get **35.7652, 0.2403, 0.3327**, and if you desaturate by 10%, it is **37.4815, 0.2579, 0.3313**.

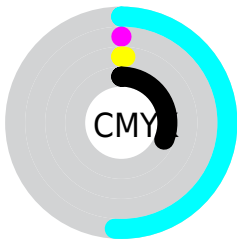
Distribution



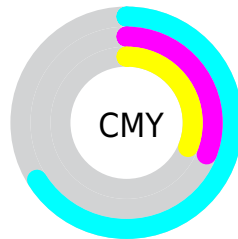
- Red (34%)
- Green (69%)
- Blue (69%)



- Red (34%)
- Yellow (52%)
- Blue (69%)



- Cyan (51%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)





- Cyan (66%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5179, 0.2482, 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 36.5179, 0.2482, 0.3320 by changing the saturation by 10% instead.


 36.5179, 0.2482,
0.3320


 36.5179, 0.2482,
0.3320

331.2186, 0.2812,
0.3311

 24.8344, 0.2398,
0.3320


 69.8307, 0.2603,
0.3318

 15.9538, 0.2289,
0.3318


 92.2288, 0.2648,
0.3317

 9.4914, 0.2142,
0.3313


 118.9673, 0.2686,
0.3316

 5.0631, 0.1935,
0.3299

 150.4305, 0.2719,
0.3315

 2.2843, 0.1626,
0.3264

187.0028, 0.2747,
0.3314

 0.7654, 0.0254,
0.3451

229.0687, 0.2771,

 0.0000, 0.0000,

0.3313

0.0000

277.0125, 0.2793,
0.3312

■ 36.5179, 0.2482,
0.3320

■ 36.5179, 0.2482,
0.3320

■ 35.7652, 0.2403,
0.3327

■ 37.4815, 0.2579,
0.3313

■ 35.2036, 0.2342,
0.3334

■ 38.6658, 0.2693,
0.3307

■ 34.8165, 0.2300,
0.3341

■ 40.0851, 0.2820,
0.3301

■ 34.5829, 0.2276,
0.3348

■ 41.7511, 0.2959,
0.3296

■ 34.4666, 0.2265,
0.3353

■ 43.6750, 0.3106,
0.3291

■ 45.8672, 0.3259,
0.3286

■ 48.3374, 0.3414,
0.3282

■ 51.0949, 0.3571,
0.3279

■ 54.1486, 0.3725,
0.3276

Harmonies

Analogous

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



36.5179, 0.2795, 0.3737



36.5179, 0.2482, 0.3320



36.5179, 0.2340, 0.2930

Triad

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



36.5179, 0.2482, 0.3320



36.5179, 0.2996, 0.2676



36.5179, 0.3910, 0.3868

Complementary

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



36.5179, 0.2482, 0.3320



16.7112, 0.4538, 0.3266

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.



36.5179, 0.3985, 0.3556



36.5179, 0.2482, 0.3320



36.5179, 0.3436, 0.2895

Square

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



36.5179, 0.2482, 0.3320



36.5179, 0.2620, 0.2594



36.5179, 0.3808, 0.3208



36.5179, 0.3621, 0.4053

Rectangle

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



36.5179, 0.2482, 0.3320



36.5179, 0.2351, 0.2742



36.5179, 0.3808, 0.3208



36.5179, 0.3962, 0.3773

Sweetspot

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



36.5193, 0.2482, 0.3320



73.5710, 0.2904, 0.3298



34.2429, 0.3073, 0.4888



15.8110, 0.2876, 0.3299



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



36.5193, 0.2482, 0.3320



63.8651, 0.2391, 0.3328



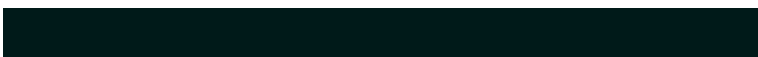
22.3550, 0.2327, 0.2553



9.6283, 0.2989, 0.3295



24.9738, 0.2265, 0.3353



0.7868, 0.2259, 0.3333

Inverse Universe

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



16.7112, 0.4538, 0.3266



24.3343, 0.5065, 0.3265



25.5830, 0.4215, 0.3908



8.5082, 0.3284, 0.3285



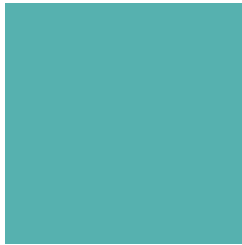
6.7796, 0.6372, 0.3284



0.2143, 0.6251, 0.3217

Previews

White Background



This preview shows how the Yxy color 36.5179, 0.2482, 0.3320 looks on a white background.

Color Contrast Check

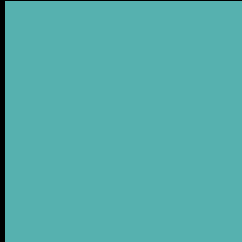
Large Text (above 18pt) WCAG AA × Fail

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 36.5179, 0.2482, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

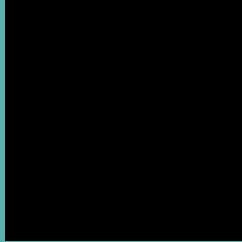
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

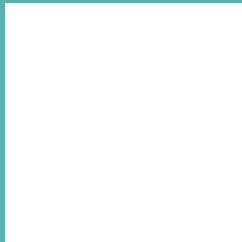
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.5179, 0.2482, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 36.5179, 0.2482, 0.3320.

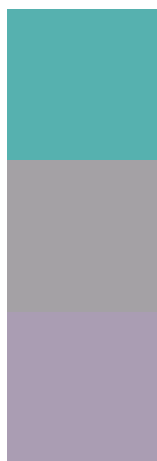


This preview shows how white text looks on a background with the Yxy color 36.5179, 0.2482, 0.3320.

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

36.5179, 0.2482, 0.3320

Protanopia

36.0989, 0.3120, 0.3233

Deuteranopia

35.9147, 0.3056, 0.2985



Tritanopia

36.5582, 0.2421, 0.3070

Trichromacy



Original Color

36.5179, 0.2482, 0.3320

Protanomaly

35.7362, 0.2839, 0.3259

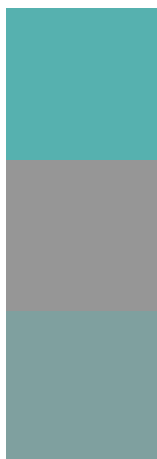
Deuteranomaly

35.2542, 0.2792, 0.3080

Tritanomaly

36.6352, 0.2442, 0.3162

Monochromacy



Original Color

36.5179, 0.2482, 0.3320

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.1568, 0.2835, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5179, 0.2482, 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(86, 177, 175)` looks like.

```
.text, #text, p{  
    color:rgb(86, 177, 175)  
}
```

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(86, 177, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 177, 175) }
```

Border

The CSS property to change the border of an element to Yxy 36.5179, 0.2482, 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(86, 177, 175) }
```

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

```
.border{ border-color:rgb(86, 177, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 177, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 177, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 177, 175);  
box-shadow:4px 4px 4px 4px rgb(86, 177,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5179, 0.2482, 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(86, 177, 175) }
```

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

```
.background{ background-color: rgb(86, 177,  
175) }
```

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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