

Converting Colors

$Yxy(36.0487, 0.2261, 0.3064)$

Have a look what the booklet for
Yxy(36.0487, 0.2261, 0.3064)
contains.

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Color

Yxy(35.9097, 0.2260, 0.3063)

Conversions

Conversions Part 1

Format	Color
Hex	33B1BF
RGB	51, 177, 191
RGB Percent	20%, 69%, 75%
CMY	0.7996, 0.3059, 0.2509
CMYK	0.73, 0.07, 0.00, 0.25
HSL	186°, 58%, 47%
HSV	186°, 73%, 75%
XYZ	26.4956, 35.9097, 54.8318
YIQ	140.9220, -79.5900, -22.3580

Conversions

Conversions Part 2

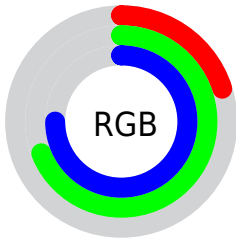
Format	Color
RYB	51, 117, 191
Decimal	3387839
CIELab	66.45, -28.77, -16.96
CIELCh	66, 33.396, 210.524
Yxy	35.9097, 0.2260, 0.3063
Android (android.graphics.Color)	4281577919 (0xFF33B1BF)
YUV	140.9220, 24.6885, -78.8616
Hunter-Lab	59.9247, -25.9449, -12.3037

Details

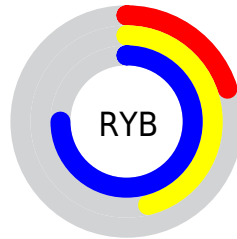
The Yxy color **35.9097, 0.2260, 0.3063** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.1113, 0.5465, 0.3443**, and the grayscale version is **26.5397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8448, 0.2419, 0.3119**, and **16.2503, 0.2160, 0.2976** is the 20% darker color. If you saturate the color by 10%, you get **34.7611, 0.2208, 0.3029**, and if you desaturate by 10%, it is **37.2754, 0.2331, 0.3098**.

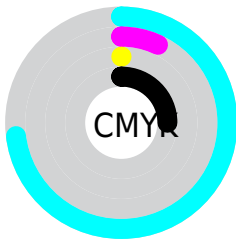
Distribution



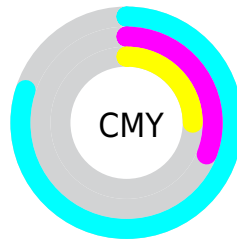
- Red (20%)
- Green (69%)
- Blue (75%)



- Red (20%)
- Yellow (46%)
- Blue (75%)



- Cyan (73%)
- Magenta (7%)
- Yellow (0%)
- Black (25%)




- Cyan (80%)
- Magenta (31%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9097, 0.2260, 0.3063 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 35.9097, 0.2260, 0.3063 by changing the saturation by 10% instead.


 35.9097, 0.2260,
0.3063


 35.9097, 0.2260,
0.3063


328.5657, 0.2697,
0.3195

 24.3645, 0.2151,
0.3024


 68.8927, 0.2419,
0.3115

 15.6042, 0.2012,
0.2971


 91.0992, 0.2479,
0.3133


 9.2445, 0.1829,
0.2894


 117.6283, 0.2529,
0.3148

 4.9010, 0.1579,
0.2775

 148.8643, 0.2573,
0.3161

 2.1893, 0.1226,
0.2573

 185.1916, 0.2610,
0.3171

 0.7142, 0.0000,
0.2332

226.9947, 0.2643,

 0.0000, 0.0000,

0.3180

0.0000

274.6579, 0.2672,
0.3188

■ 35.9097, 0.2260,
0.3063

■ 35.9097, 0.2260,
0.3063

■ 34.7611, 0.2208,
0.3029

■ 37.2754, 0.2331,
0.3098

■ 33.7988, 0.2175,
0.2994

■ 38.8765, 0.2420,
0.3132

■ 33.2204, 0.2159,
0.2972

■ 40.7337, 0.2527,
0.3165

■ 42.8643, 0.2648,
0.3197

■ 45.2841, 0.2783,
0.3227

■ 48.0077, 0.2927,
0.3256

■ 51.0484, 0.3077,
0.3282

■ 54.4191, 0.3232,
0.3306

■ 58.1317, 0.3387,
0.3327

Harmonies

Analogous

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



35.9097, 0.2522, 0.3568



35.9097, 0.2260, 0.3063



35.9097, 0.2212, 0.2683

Triad

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



35.9097, 0.2260, 0.3063



35.9097, 0.3239, 0.2692



35.9097, 0.3892, 0.4106

Complementary

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



35.9097, 0.2260, 0.3063



15.1113, 0.5465, 0.3443

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.



35.9097, 0.4128, 0.3793



35.9097, 0.2260, 0.3063



35.9097, 0.3741, 0.3006

Square

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



35.9097, 0.2260, 0.3063



35.9097, 0.2743, 0.2509



35.9097, 0.4077, 0.3397



35.9097, 0.3458, 0.4214

Rectangle

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



35.9097, 0.2260, 0.3063



35.9097, 0.2301, 0.2537



35.9097, 0.4077, 0.3397



35.9097, 0.3999, 0.4018

Sweetspot

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



35.9110, 0.2260, 0.3063



81.5095, 0.2795, 0.3230



38.3561, 0.2968, 0.5431



17.6230, 0.2757, 0.3222



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.



35.9110, 0.2260, 0.3063



61.1533, 0.2186, 0.3008



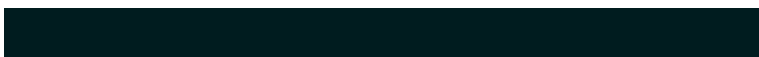
14.9967, 0.1947, 0.1820



10.6417, 0.2985, 0.3266



21.8960, 0.2160, 0.2976



0.9054, 0.2183, 0.3057

Inverse Universe

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



16.6281, 0.3385, 0.1839



26.2164, 0.3444, 0.1717



28.6585, 0.4627, 0.4311



9.6794, 0.3153, 0.3086



9.2401, 0.3475, 0.1688



0.3668, 0.3404, 0.1649

Previews

White Background



This preview shows how the Yxy color 35.9097, 0.2260, 0.3063 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 35.9097, 0.2260, 0.3063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

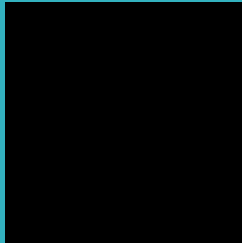
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

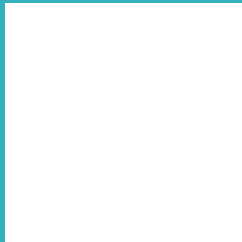
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.9097, 0.2260, 0.3063

Background



This preview shows how black text looks on a background with the Yxy color 35.9097, 0.2260, 0.3063.



This preview shows how white text looks on a background with the Yxy color 35.9097, 0.2260, 0.3063.

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

35.9097, 0.2260, 0.3063

Protanopia

35.3200, 0.2945, 0.3004

Deuteranopia

35.3232, 0.2816, 0.2762



Tritanopia

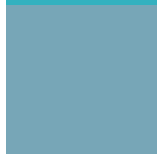
35.9097, 0.2260, 0.3063

Trichromacy



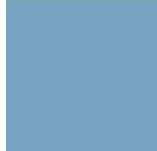
Original Color

35.9097, 0.2260, 0.3063



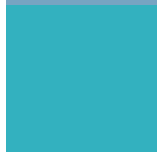
Protanomaly

34.6133, 0.2606, 0.3028



Deuteranomaly

34.3679, 0.2530, 0.2839



Tritanomaly

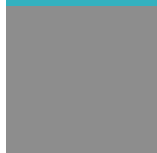
35.9097, 0.2260, 0.3063

Monochromacy



Original Color

35.9097, 0.2260, 0.3063



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

28.8026, 0.2670, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9097, 0.2260, 0.3063 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(51, 177, 191)` looks like.

```
.text, #text, p{  
    color:rgb(51, 177, 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(51, 177, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 177, 191) }
```

Border

The CSS property to change the border of an element to Yxy 35.9097, 0.2260, 0.3063 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(51, 177, 191) }
```

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

```
.border{ border-color:rgb(51, 177, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 177, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 177, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 177, 191);  
box-shadow:4px 4px 4px 4px rgb(51, 177,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9097, 0.2260, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 177, 191) }
```

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

```
.background{ background-color: rgb(51, 177,  
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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