

Converting Colors

$Y_{xy}(36.2169, 0.2207, 0.3092)$

Have a look what the booklet for
Yxy(36.2169, 0.2207, 0.3092)
contains.

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Color

Yxy(36.1402, 0.2208, 0.3093)

Conversions

Conversions Part 1

Format	Color
Hex	13B3BF
RGB	19, 179, 191
RGB Percent	7%, 70%, 75%
CMY	0.9235, 0.2981, 0.2510
CMYK	0.90, 0.06, 0.00, 0.25
HSL	184°, 81%, 41%
HSV	184°, 90%, 75%
XYZ	25.7994, 36.1402, 54.9055
YIQ	132.5280, -99.2120, -30.1880

Conversions

Conversions Part 2

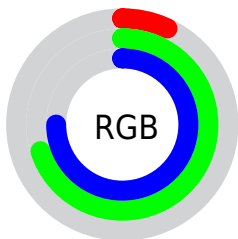
Format	Color
R _Y B	19, 102, 191
Decimal	1291199
CIE Lab	66.63, -32.41, -16.73
CIE LCh	67, 36.475, 207.300
Yxy	36.1402, 0.2208, 0.3093
Android (android.graphics.Color)	4279481279 (0xFF13B3BF)
YUV	132.5280, 28.8267, -99.5641
Hunter-Lab	60.1167, -28.6000, -12.0688

Details

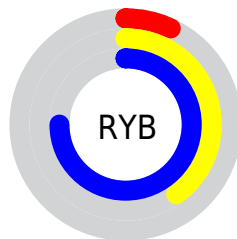
The Yxy color **36.1402, 0.2208, 0.3093** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **12.1317, 0.6132, 0.3365**, and the grayscale version is **23.2501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0751, 0.2375, 0.3142**, and **16.7567, 0.2173, 0.3022** is the 20% darker color. If you saturate the color by 10%, you get **35.4671, 0.2186, 0.3070**, and if you desaturate by 10%, it is **36.9602, 0.2244, 0.3117**.

Distribution



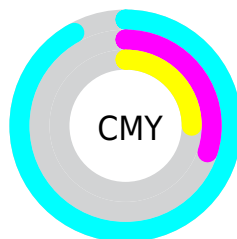
- Red (7%)
- Green (70%)
- Blue (75%)



- Red (7%)
- Yellow (40%)
- Blue (75%)



- Cyan (90%)
- Magenta (6%)
- Yellow (0%)
- Black (25%)




- Cyan (92%)
- Magenta (30%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1402, 0.2208, 0.3093 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 36.1402, 0.2208, 0.3093 by changing the saturation by 10% instead.

 36.1402, 0.2208,
0.3093


 36.1402, 0.2208,
0.3093


329.5729, 0.2670,
0.3211


 24.5425, 0.2093,
0.3057


 69.2484, 0.2376,
0.3140

 15.7365, 0.1948,
0.3008


 91.5277, 0.2439,
0.3157

 9.3379, 0.1756,
0.2935


 118.1363, 0.2492,
0.3170

 4.9622, 0.1498,
0.2821

 149.4586, 0.2538,
0.3181

 2.2251, 0.1137,
0.2624

 185.8790, 0.2578,
0.3190

 0.7336, 0.0000,
0.2374

227.7820, 0.2612,

 0.0000, 0.0000,

0.3198

0.0000

275.5518, 0.2643,
0.3205

■ 36.1402, 0.2208,
0.3093

■ 36.1402, 0.2208,
0.3093

■ 35.4671, 0.2186,
0.3070

■ 36.9602, 0.2244,
0.3117

■ 35.4535, 0.2186,
0.3069

■ 37.9711, 0.2298,
0.3140

■ 39.1991, 0.2372,
0.3164

■ 40.6654, 0.2463,
0.3188

■ 42.3884, 0.2572,
0.3210

■ 44.3850, 0.2696,
0.3232

■ 46.6704, 0.2833,
0.3253

■ 49.2587, 0.2978,
0.3273

■ 52.1631, 0.3130,
0.3290

Harmonies

Analogous

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



36.1402, 0.2512, 0.3653



36.1402, 0.2208, 0.3093



36.1402, 0.2133, 0.2662

Triad

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



36.1402, 0.2208, 0.3093



36.1402, 0.3185, 0.2615



36.1402, 0.3996, 0.4144

Complementary

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



36.1402, 0.2208, 0.3093



12.1317, 0.6132, 0.3365

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.



36.1402, 0.4227, 0.3784



36.1402, 0.2208, 0.3093



36.1402, 0.3742, 0.2940

Square

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



36.1402, 0.2208, 0.3093



36.1402, 0.2657, 0.2436



36.1402, 0.4138, 0.3353



36.1402, 0.3539, 0.4302

Rectangle

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



36.1402, 0.2208, 0.3093



36.1402, 0.2212, 0.2492



36.1402, 0.4138, 0.3353



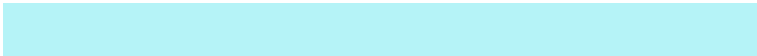
36.1402, 0.4104, 0.4039

Sweetspot

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



36.1415, 0.2208, 0.3093



80.4143, 0.2728, 0.3237



37.5037, 0.2985, 0.5844



17.3651, 0.2682, 0.3230



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.



36.1415, 0.2208, 0.3093



63.3471, 0.2185, 0.3066



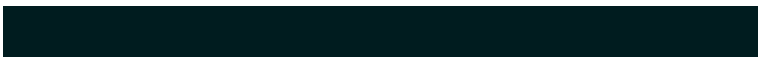
11.8775, 0.1789, 0.1554



10.6920, 0.2985, 0.3273



23.3486, 0.2187, 0.3073



0.9492, 0.2202, 0.3128

Inverse Universe

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



14.8134, 0.3370, 0.1672



25.5527, 0.3397, 0.1645



23.7736, 0.5036, 0.4287



9.6844, 0.3148, 0.3079



9.3867, 0.3391, 0.1642



0.3712, 0.3343, 0.1615

Previews

White Background



This preview shows how the Yxy color 36.1402, 0.2208, 0.3093 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 36.1402, 0.2208, 0.3093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

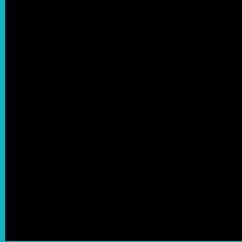
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1402, 0.2208, 0.3093

Background



This preview shows how black text looks on a background with the Yxy color 36.1402, 0.2208, 0.3093.

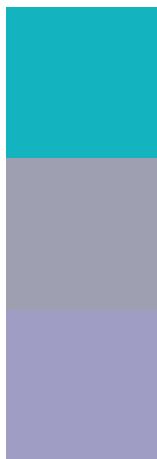


This preview shows how white text looks on a background with the Yxy color 36.1402, 0.2208, 0.3093.

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

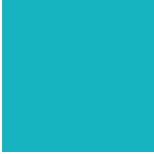
36.1402, 0.2208, 0.3093

Protanopia

35.6251, 0.2954, 0.3032

Deuteranopia

35.4704, 0.2817, 0.2751



Tritanopia

36.2846, 0.2205, 0.3062

Trichromacy



Original Color

36.1402, 0.2208, 0.3093



Protanomaly

34.2445, 0.2533, 0.3039



Deuteranomaly

33.9935, 0.2460, 0.2846



Tritanomaly

36.2165, 0.2207, 0.3078

Monochromacy



Original Color

36.1402, 0.2208, 0.3093



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.4211, 0.2575, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1402, 0.2208, 0.3093 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(19, 179, 191)` looks like.

```
.text, #text, p{  
    color:rgb(19, 179, 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(19, 179, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 179, 191) }
```

Border

The CSS property to change the border of an element to Yxy 36.1402, 0.2208, 0.3093 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(19, 179, 191) }
```

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

```
.border{ border-color:rgb(19, 179, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 179, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 179, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 179, 191);  
box-shadow:4px 4px 4px 4px rgb(19, 179,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1402, 0.2208, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 179, 191) }
```

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

```
.background{ background-color: rgb(19, 179,  
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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