

Converting Colors

$Y_{xy}(35.7184, 0.3003, 0.5908)$

Have a look what the booklet for
Yxy(35.7184, 0.3003, 0.5908)
contains.

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Color

Yxy(35.7296, 0.3003, 0.5906)

Conversions

Conversions Part 1

Format	Color
Hex	13BB14
RGB	19, 187, 20
RGB Percent	7%, 73%, 8%
CMY	0.9249, 0.2667, 0.9216
CMYK	0.90, 0.00, 0.89, 0.27
HSL	120°, 81%, 40%
HSV	120°, 90%, 73%
XYZ	18.1673, 35.7296, 6.6002
YIQ	117.7300, -46.5210, -87.5530

Conversions

Conversions Part 2

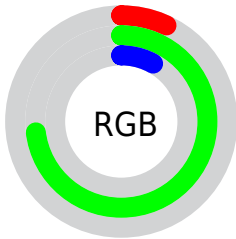
Format	Color
RYB	19, 186, 187
Decimal	1293076
CIELab	66.31, -66.78, 63.35
CIELCh	66, 92.049, 136.507
Yxy	35.7296, 0.3003, 0.5906
Android (android.graphics.Color)	4279483156 (0xFF13BB14)
YUV	117.7300, -48.1809, -86.5862
Hunter-Lab	59.7742, -50.3531, 35.2952

Details

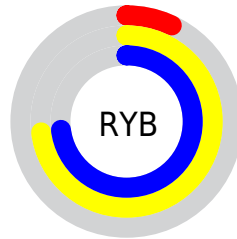
The Yxy color **35.7296, 0.3003, 0.5906** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **14.5874, 0.3219, 0.1586**, and the grayscale version is **18.2074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9037, 0.3108, 0.5354**, and **16.5025, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.5466, 0.2999, 0.5995**, and if you desaturate by 10%, it is **36.0938, 0.3010, 0.5741**.

Distribution



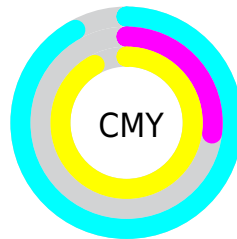
- Red (7%)
- Green (73%)
- Blue (8%)



- Red (7%)
- Yellow (73%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (89%)
- Black (27%)




- Cyan (92%)
- Magenta (27%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7296, 0.3003, 0.5906 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 35.7296, 0.3003, 0.5906 by changing the saturation by 10% instead.

 35.7296, 0.3003,
0.5906


 35.7296, 0.3003,
0.5906


327.7771, 0.3189,
0.4451

 24.2254, 0.2899,
0.6287


 68.6145, 0.3110,
0.5355


 15.5009, 0.2727,
0.6764


 90.7640, 0.3138,
0.5153


 9.1717, 0.2489,
0.7511


 117.2308, 0.3156,
0.4985

 4.8533, 0.1949,
0.8051

 148.3992, 0.3169,
0.4844

 2.1615, 0.0384,
0.9616

 184.6537, 0.3177,
0.4723

 0.6989, 0.0000,
1.0000

 226.3785, 0.3183,

 0.0000, 0.0000,

0.4620

0.0000

273.9582, 0.3187,
0.4530

■ 35.7296, 0.3003,
0.5906

■ 35.7296, 0.3003,
0.5906

■ 35.5466, 0.2999,
0.5995

■ 36.0938, 0.3010,
0.5741

■ 35.5427, 0.2999,
0.5997

■ 36.6949, 0.3021,
0.5494

■ 37.5659, 0.3035,
0.5185

■ 38.7336, 0.3051,
0.4840

■ 40.2212, 0.3068,
0.4485

■ 42.0501, 0.3085,
0.4141

■ 44.2394, 0.3101,
0.3823

■ 46.8071, 0.3115,
0.3536

■ 49.7698, 0.3127,
0.3284

Harmonies

Analogous

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



35.7296, 0.4164, 0.5512



35.7296, 0.3003, 0.5906



35.7296, 0.1926, 0.4848

Triad

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



35.7296, 0.3003, 0.5906



35.7296, 0.1211, 0.1536



35.7296, 0.5377, 0.2905

Complementary

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



35.7296, 0.3003, 0.5906



14.5874, 0.3219, 0.1586

Split Complementary

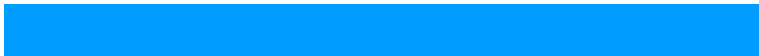
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



35.7296, 0.4122, 0.2208



35.7296, 0.3003, 0.5906



35.7296, 0.1725, 0.1466

Square

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



35.7296, 0.3003, 0.5906



35.7296, 0.1056, 0.2004



35.7296, 0.2707, 0.1698



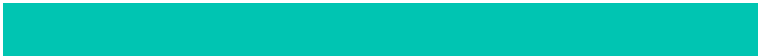
35.7296, 0.5726, 0.3680

Rectangle

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



35.7296, 0.3003, 0.5906



35.7296, 0.1421, 0.3655



35.7296, 0.2707, 0.1698



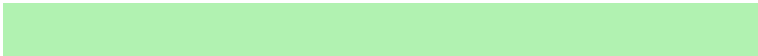
35.7296, 0.5034, 0.2662

Sweetspot

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



35.7311, 0.3003, 0.5906



76.1630, 0.3089, 0.4065



46.1529, 0.4170, 0.5014



16.4983, 0.3083, 0.4178



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



35.7311, 0.3003, 0.5906



63.6559, 0.2999, 0.5998



36.6614, 0.2696, 0.4824



10.6504, 0.3115, 0.3526



24.4896, 0.2999, 0.5996



0.9595, 0.2995, 0.5981

Inverse Universe

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



14.5874, 0.3219, 0.1586



25.2741, 0.3222, 0.1549



12.0165, 0.4717, 0.2445



9.6954, 0.3139, 0.3065



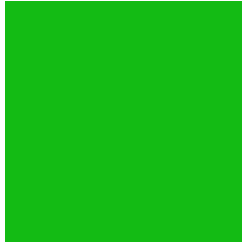
9.7239, 0.3222, 0.1548



0.3812, 0.3218, 0.1547

Previews

White Background



This preview shows how the Yxy color 35.7296, 0.3003, 0.5906 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 35.7296, 0.3003, 0.5906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

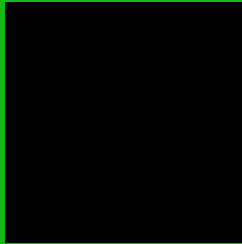
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7296, 0.3003, 0.5906

Background



This preview shows how black text looks on a background with the Yxy color 35.7296, 0.3003, 0.5906.



This preview shows how white text looks on a background with the Yxy color 35.7296, 0.3003, 0.5906.

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

35.7296, 0.3003, 0.5906

Protanopia

34.8603, 0.4392, 0.4871

Deuteranopia

35.0558, 0.4581, 0.4489



Tritanopia

35.6084, 0.2370, 0.3066

Trichromacy



Original Color

35.7296, 0.3003, 0.5906



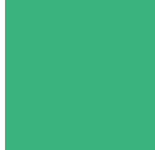
Protanomaly

32.9136, 0.3689, 0.5405



Deuteranomaly

32.1825, 0.3801, 0.5151



Tritanomaly

34.6720, 0.2646, 0.4229

Monochromacy



Original Color

35.7296, 0.3003, 0.5906



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

22.0480, 0.3067, 0.4562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7296, 0.3003, 0.5906 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, 187, 20)` looks like.

```
.text, #text, p{  
    color:rgb(19, 187, 20)  
}
```

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, 187, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 187, 20) }
```

Border

The CSS property to change the border of an element to Yxy 35.7296, 0.3003, 0.5906 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, 187, 20) }
```

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

```
.border{ border-color:rgb(19, 187, 20) }
```

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

Here you see how a box with a 4 pixel rgb(19, 187, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 187, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 187, 20);  
box-shadow:4px 4px 4px 4px rgb(19, 187,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7296, 0.3003, 0.5906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 187, 20) }
```

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

```
.background{ background-color: rgb(19, 187,  
20) }
```

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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