

Converting Colors

$Y_{xy}(33.8851, 0.2981, 0.5881)$

Have a look what the booklet for
Yxy(33.8851, 0.2981, 0.5881)
contains.

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Color

Yxy(34.0017, 0.2981, 0.5882)

Conversions

Conversions Part 1

Format	Color
Hex	0AB719
RGB	10, 183, 25
RGB Percent	4%, 72%, 10%
CMY	0.9615, 0.2823, 0.9021
CMYK	0.95, 0.00, 0.86, 0.28
HSL	125°, 90%, 38%
HSV	125°, 95%, 72%
XYZ	17.2321, 34.0017, 6.5726
YIQ	113.2610, -52.3900, -85.8140

Conversions

Conversions Part 2

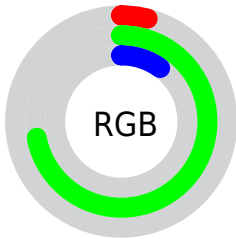
Format	Color
RYB	10, 169, 183
Decimal	702233
CIELab	64.96, -65.99, 61.14
CIElCh	65, 89.961, 137.187
Yxy	34.0017, 0.2981, 0.5882
Android (android.graphics.Color)	4278892313 (0xFF0AB719)
YUV	113.2610, -43.5127, -90.5599
Hunter-Lab	58.3110, -49.2938, 34.1347

Details

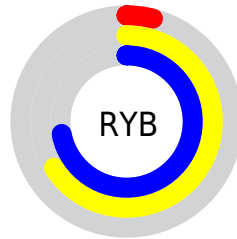
The Yxy color **34.0017, 0.2981, 0.5882** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.1023, 0.3427, 0.1682**, and the grayscale version is **16.7212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7014, 0.3090, 0.5330**, and **15.4383, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.9072, 0.2984, 0.5941**, and if you desaturate by 10%, it is **34.2830, 0.2974, 0.5719**.

Distribution



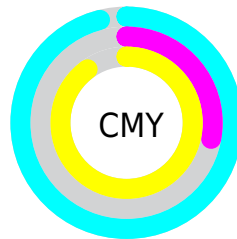
- Red (4%)
- Green (72%)
- Blue (10%)



- Red (4%)
- Yellow (66%)
- Blue (72%)



- Cyan (95%)
- Magenta (0%)
- Yellow (86%)
- Black (28%)



- Cyan (96%)
- Magenta (28%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0017, 0.2981, 0.5882 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 34.0017, 0.2981, 0.5882 by changing the saturation by 10% instead.


 34.0017, 0.2981,
0.5882


 34.0017, 0.2981,
0.5882


320.1396, 0.3175,
0.4426


 22.8949, 0.2875,
0.6270


 65.9363, 0.3091,
0.5326

 14.5159, 0.2699,
0.6762


 87.5329, 0.3119,
0.5123

 8.4804, 0.2455,
0.7545

 113.3949, 0.3139,
0.4956

 4.4038, 0.1893,
0.8107

 143.9067, 0.3152,
0.4815

 1.9019, 0.0000,
1.0000

 179.4527, 0.3161,
0.4696

 0.5495, 0.0000,
1.0000

 220.4172, 0.3167,

 0.0000, 0.0000,

0.4593

0.0000

267.1847, 0.3172,
0.4504

■ 34.0017, 0.2981,
0.5882

■ 34.0017, 0.2981,
0.5882

■ 33.9072, 0.2984,
0.5941

■ 34.2830, 0.2974,
0.5719

■ 34.7695, 0.2974,
0.5485

■ 35.4927, 0.2982,
0.5196

■ 36.4780, 0.2997,
0.4875

■ 37.7472, 0.3017,
0.4542

■ 39.3201, 0.3040,
0.4218

■ 41.2146, 0.3066,
0.3915

■ 43.4471, 0.3091,
0.3639

■ 46.0331, 0.3116,
0.3394

Harmonies

Analogous

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



34.0017, 0.4138, 0.5521



34.0017, 0.2981, 0.5882



34.0017, 0.1913, 0.4798

Triad

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



34.0017, 0.2981, 0.5882



34.0017, 0.1226, 0.1539



34.0017, 0.5383, 0.2926

Complementary

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



34.0017, 0.2981, 0.5882



13.1023, 0.3427, 0.1682

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.



34.0017, 0.4150, 0.2228



34.0017, 0.2981, 0.5882



34.0017, 0.1748, 0.1476

Square

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



34.0017, 0.2981, 0.5882



34.0017, 0.1064, 0.1995



34.0017, 0.2738, 0.1714



34.0017, 0.5709, 0.3701

Rectangle

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



34.0017, 0.2981, 0.5882



34.0017, 0.1417, 0.3616



34.0017, 0.2738, 0.1714



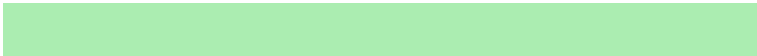
34.0017, 0.5048, 0.2682

Sweetspot

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



34.0031, 0.2981, 0.5882



72.4418, 0.3056, 0.4028



42.2792, 0.4045, 0.5142



15.6829, 0.3045, 0.4160



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



34.0031, 0.2981, 0.5882



60.7086, 0.2987, 0.5953



35.0772, 0.2631, 0.4633



10.0725, 0.3104, 0.3505



23.6569, 0.2981, 0.5931



0.8383, 0.2909, 0.5672

Inverse Universe

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



13.1023, 0.3427, 0.1682



23.0081, 0.3446, 0.1672



10.8899, 0.5159, 0.2655



9.1488, 0.3151, 0.3084



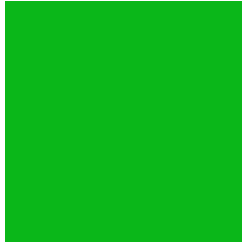
8.9740, 0.3439, 0.1668



0.3204, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 34.0017, 0.2981, 0.5882 looks on a white background.

Color Contrast Check

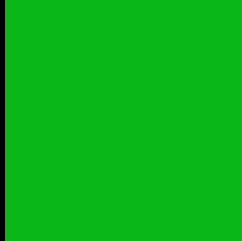
Large Text (above 18pt) WCAG AA × Fail

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 34.0017, 0.2981, 0.5882 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 34.0017, 0.2981, 0.5882

Background



This preview shows how black text looks on a background with the Yxy color 34.0017, 0.2981, 0.5882.



This preview shows how white text looks on a background with the Yxy color 34.0017, 0.2981, 0.5882.

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

34.0017, 0.2981, 0.5882

Protanopia

33.3815, 0.4369, 0.4853

Deuteranopia

33.1128, 0.4565, 0.4465



Tritanopia

33.7879, 0.2364, 0.3061

Trichromacy



Original Color

34.0017, 0.2981, 0.5882



Protanomaly

31.0325, 0.3645, 0.5398



Deuteranomaly

30.2189, 0.3746, 0.5146



Tritanomaly

32.9232, 0.2620, 0.4194

Monochromacy



Original Color

34.0017, 0.2981, 0.5882



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

20.2669, 0.3013, 0.4531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0017, 0.2981, 0.5882 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(10, 183, 25)` looks like.

```
.text, #text, p{  
    color:rgb(10, 183, 25)  
}
```

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(10, 183, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 183, 25) }
```

Border

The CSS property to change the border of an element to Yxy 34.0017, 0.2981, 0.5882 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(10, 183, 25) }
```

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

```
.border{ border-color:rgb(10, 183, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 183, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 183, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 183, 25);  
box-shadow:4px 4px 4px 4px rgb(10, 183,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0017, 0.2981, 0.5882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 183, 25) }
```

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

```
.background{ background-color: rgb(10, 183,  
25) }
```

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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