

Converting Colors

$Y_{xy}(36.6320, 0.2905, 0.5508)$

Have a look what the booklet for
Yxy(36.6320, 0.2905, 0.5508)
contains.

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Color

Yxy(36.5339, 0.2903, 0.5502)

Conversions

Conversions Part 1

Format	Color
Hex	1ABC3E
RGB	26, 188, 62
RGB Percent	10%, 74%, 24%
CMY	0.8985, 0.2627, 0.7569
CMYK	0.86, 0.00, 0.67, 0.26
HSL	133°, 76%, 42%
HSV	133°, 86%, 74%
XYZ	19.2762, 36.5339, 10.5910
YIQ	125.1980, -56.1060, -73.5300

Conversions

Conversions Part 2

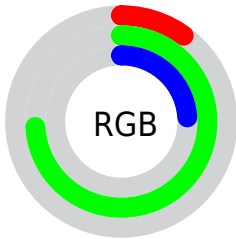
Format	Color
RYB	26, 159, 188
Decimal	1752126
CIELab	66.93, -63.68, 51.00
CIELCh	67, 81.580, 141.309
Yxy	36.5339, 0.2903, 0.5502
Android (android.graphics.Color)	4279942206 (0xFF1ABC3E)
YUV	125.1980, -31.1566, -86.9966
Hunter-Lab	60.4433, -48.8495, 31.9214

Details

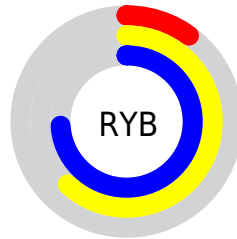
The Yxy color **36.5339, 0.2903, 0.5502** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.6901, 0.3751, 0.1919**, and the grayscale version is **20.6887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1526, 0.3000, 0.5026**, and **16.7751, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.2236, 0.2926, 0.5699**, and if you desaturate by 10%, it is **37.0507, 0.2892, 0.5259**.

Distribution



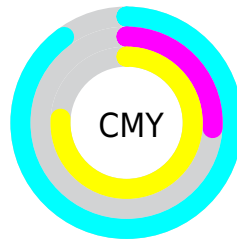
- Red (10%)
- Green (74%)
- Blue (24%)



- Red (10%)
- Yellow (62%)
- Blue (74%)



- Cyan (86%)
- Magenta (0%)
- Yellow (67%)
- Black (26%)





- Cyan (90%)
- Magenta (26%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5339, 0.2903, 0.5502 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 36.5339, 0.2903, 0.5502 by changing the saturation by 10% instead.


 36.5339, 0.2903,
0.5502


 36.5339, 0.2903,
0.5502


331.2881, 0.3098,
0.4260

 24.8468, 0.2817,
0.5846


 69.8553, 0.2999,
0.5022


 15.9630, 0.2682,
0.6297


 92.2585, 0.3027,
0.4850

 9.4980, 0.2457,
0.6900


 119.0024, 0.3047,
0.4708

 5.0674, 0.2114,
0.7886

 150.4716, 0.3063,
0.4589

 2.2868, 0.0901,
0.9099

 187.0503, 0.3075,
0.4488

 0.7667, 0.0000,
1.0000

229.1231, 0.3084,

 0.0000, 0.0000,

0.4401

0.0000

277.0742, 0.3092,
0.4326

■ 36.5339, 0.2903,
0.5502

■ 36.5339, 0.2903,
0.5502

■ 36.2236, 0.2926,
0.5699

■ 37.0507, 0.2892,
0.5259

■ 36.1358, 0.2934,
0.5762

■ 37.8016, 0.2896,
0.4984

■ 38.8136, 0.2912,
0.4693

■ 40.1084, 0.2939,
0.4401

■ 41.7058, 0.2973,
0.4121

■ 43.6236, 0.3013,
0.3860

■ 45.8781, 0.3056,
0.3622

■ 48.4847, 0.3100,
0.3410

■ 51.4576, 0.3143,
0.3222

Harmonies

Analogous

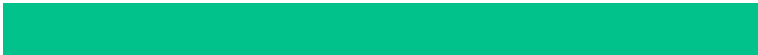
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.5339, 0.3973, 0.5420



36.5339, 0.2903, 0.5502



36.5339, 0.1943, 0.4401

Triad

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



36.5339, 0.2903, 0.5502



36.5339, 0.1421, 0.1661



36.5339, 0.5236, 0.3089

Complementary

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



36.5339, 0.2903, 0.5502



13.6901, 0.3751, 0.1919

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.



36.5339, 0.4221, 0.2412



36.5339, 0.2903, 0.5502



36.5339, 0.1973, 0.1634

Square

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



36.5339, 0.2903, 0.5502



36.5339, 0.1226, 0.2046



36.5339, 0.2948, 0.1896



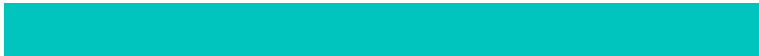
36.5339, 0.5446, 0.3840

Rectangle

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



36.5339, 0.2903, 0.5502



36.5339, 0.1511, 0.3400



36.5339, 0.2948, 0.1896



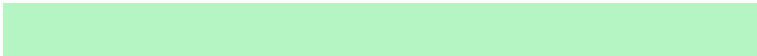
36.5339, 0.4971, 0.2853

Sweetspot

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



36.5354, 0.2903, 0.5502



78.9809, 0.3013, 0.3865



42.8044, 0.3830, 0.5241



16.7121, 0.2998, 0.3953



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.



36.5354, 0.2903, 0.5502



65.4550, 0.2940, 0.5784



38.1429, 0.2500, 0.4093



10.6835, 0.3086, 0.3473



24.6104, 0.2929, 0.5743



0.9741, 0.2798, 0.5273

Inverse Universe

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



13.6901, 0.3751, 0.1919



23.1068, 0.3881, 0.1911



11.8917, 0.5382, 0.2873



9.6589, 0.3171, 0.3113



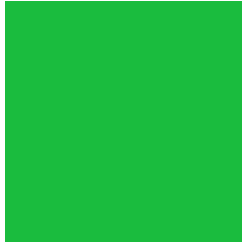
8.7067, 0.3858, 0.1899



0.3502, 0.3674, 0.1797

Previews

White Background



This preview shows how the Yxy color 36.5339, 0.2903, 0.5502 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 36.5339, 0.2903, 0.5502 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 36.5339, 0.2903, 0.5502

Background



This preview shows how black text looks on a background with the Yxy color 36.5339, 0.2903, 0.5502.



This preview shows how white text looks on a background with the Yxy color 36.5339, 0.2903, 0.5502.

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

36.5339, 0.2903, 0.5502

Protanopia

35.9403, 0.4218, 0.4641

Deuteranopia

35.8716, 0.4368, 0.4283



Tritanopia

36.4306, 0.2362, 0.3068

Trichromacy



Original Color

36.5339, 0.2903, 0.5502



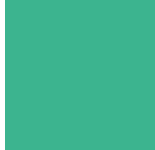
Protanomaly

33.7913, 0.3558, 0.5055



Deuteranomaly

33.0205, 0.3641, 0.4804



Tritanomaly

35.5863, 0.2561, 0.3938

Monochromacy



Original Color

36.5339, 0.2903, 0.5502



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.2630, 0.2964, 0.4203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5339, 0.2903, 0.5502 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(26, 188, 62)` looks like.

```
.text, #text, p{  
    color:rgb(26, 188, 62)  
}
```

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(26, 188, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 188, 62) }
```

Border

The CSS property to change the border of an element to Yxy 36.5339, 0.2903, 0.5502 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(26, 188, 62) }
```

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

```
.border{ border-color:rgb(26, 188, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 188, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 188, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 188, 62);  
box-shadow:4px 4px 4px 4px rgb(26, 188,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5339, 0.2903, 0.5502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 188, 62) }
```

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

```
.background{ background-color: rgb(26, 188,  
62) }
```

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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