

Converting Colors

$Y_{xy}(30.7255, 0.2722, 0.4999)$

Have a look what the booklet for
Yxy(30.7255, 0.2722, 0.4999)
contains.

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Color

Yxy(30.5753, 0.2719, 0.4989)

Conversions

Conversions Part 1

Format	Color
Hex	00AD57
RGB	0, 173, 87
RGB Percent	0%, 68%, 34%
CMY	1.0000, 0.3216, 0.6587
CMYK	1.00, 0.00, 0.50, 0.32
HSL	150°, 100%, 34%
HSV	150°, 100%, 68%
XYZ	16.6635, 30.5753, 14.0466
YIQ	111.4690, -75.5020, -63.4220

Conversions

Conversions Part 2

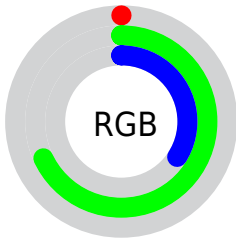
Format	Color
RYB	0, 115, 173
Decimal	44375
CIELab	62.15, -57.00, 33.68
CIELCh	62, 66.207, 149.423
Yxy	30.5753, 0.2719, 0.4989
Android (android.graphics.Color)	4278234455 (0xFF00AD57)
YUV	111.4690, -12.0632, -97.7583
Hunter-Lab	55.2949, -42.9739, 23.6450

Details

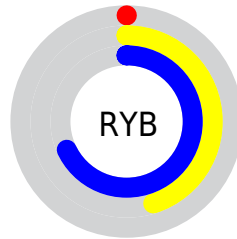
The Yxy color **30.5753, 0.2719, 0.4989** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.5562, 0.4962, 0.2507**, and the grayscale version is **16.0939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7558, 0.2834, 0.4604**, and **13.3336, 0.2856, 0.5482** is the 20% darker color. If you saturate the color by 10%, you get **30.5774, 0.2719, 0.4989**, and if you desaturate by 10%, it is **30.8485, 0.2693, 0.4809**.

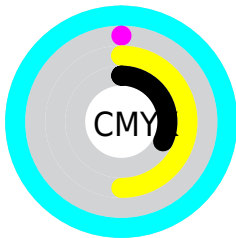
Distribution



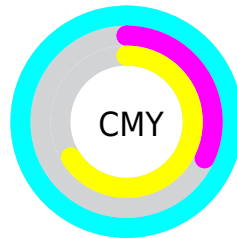
- Red (0%)
- Green (68%)
- Blue (34%)



- Red (0%)
- Yellow (45%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (32%)




- Cyan (100%)
- Magenta (32%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.5753, 0.2719, 0.4989 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 30.5753, 0.2719, 0.4989 by changing the saturation by 10% instead.


 30.5753, 0.2719,
0.4989


 30.5753, 0.2719,
0.4989


304.5769, 0.2979,
0.4008

 20.2757, 0.2629,
0.5283


 60.5708, 0.2831,
0.4597


 12.5956, 0.2494,
0.5691


 81.0355, 0.2867,
0.4461


 7.1507, 0.2279,
0.6284


 105.6572, 0.2896,
0.4350

 3.5565, 0.1958,
0.7388

 134.8206, 0.2919,
0.4258

 1.4287, 0.0000,
1.0000

 168.9098, 0.2938,
0.4181

 0.2377, 0.0000,
1.0000

 208.3093, 0.2954,

 0.0000, 0.0000,

0.4115

0.0000

253.4036, 0.2968,
0.4058

■ 30.5753, 0.2719,
0.4989

■ 30.5753, 0.2719,
0.4989

■ 30.5774, 0.2719,
0.4989

■ 30.8485, 0.2693,
0.4809

■ 31.2433, 0.2682,
0.4621

■ 31.8045, 0.2691,
0.4428

■ 32.5522, 0.2718,
0.4236

■ 33.5033, 0.2762,
0.4049

■ 34.6729, 0.2820,
0.3871

■ 36.0745, 0.2889,
0.3705

■ 37.7204, 0.2964,
0.3552

■ 39.6223, 0.3045,
0.3414

Harmonies

Analogous

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



30.5753, 0.3680, 0.5250



30.5753, 0.2719, 0.4989



30.5753, 0.1921, 0.3898

Triad

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



30.5753, 0.2719, 0.4989



30.5753, 0.1700, 0.1800



30.5753, 0.5086, 0.3331

Complementary

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



30.5753, 0.2719, 0.4989



9.5562, 0.4962, 0.2507

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.



30.5753, 0.4361, 0.2679



30.5753, 0.2719, 0.4989



30.5753, 0.2311, 0.1844

Square

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



30.5753, 0.2719, 0.4989



30.5753, 0.1434, 0.2070



30.5753, 0.3270, 0.2153



30.5753, 0.5113, 0.4042

Rectangle

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



30.5753, 0.2719, 0.4989



30.5753, 0.1592, 0.3098



30.5753, 0.3270, 0.2153



30.5753, 0.4915, 0.3105

Sweetspot

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



30.5774, 0.2719, 0.4989



64.4619, 0.2885, 0.3713



31.8911, 0.3369, 0.5707



13.7778, 0.2856, 0.3779



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.5774, 0.2719, 0.4989



54.7163, 0.2727, 0.5018



32.9061, 0.2247, 0.3287



9.0041, 0.3050, 0.3405



22.4740, 0.2714, 0.4970



0.6363, 0.2559, 0.4412

Inverse Universe

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



9.5562, 0.4962, 0.2507



17.0703, 0.4999, 0.2528



8.8847, 0.6401, 0.3300



8.0792, 0.3212, 0.3178



7.0316, 0.4939, 0.2494



0.2067, 0.4284, 0.2134

Previews

White Background



This preview shows how the Yxy color 30.5753, 0.2719, 0.4989 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 30.5753, 0.2719, 0.4989 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 30.5753, 0.2719, 0.4989

Background



This preview shows how black text looks on a background with the Yxy color 30.5753, 0.2719, 0.4989.



This preview shows how white text looks on a background with the Yxy color 30.5753, 0.2719, 0.4989.

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

30.5753, 0.2719, 0.4989

Protanopia

29.9519, 0.3972, 0.4331

Deuteranopia

30.1744, 0.4045, 0.3975



Tritanopia

30.4872, 0.2332, 0.3067

Trichromacy



Original Color

30.5753, 0.2719, 0.4989



Protanomaly

28.0060, 0.3252, 0.4681



Deuteranomaly

27.5287, 0.3292, 0.4409



Tritanomaly

30.1433, 0.2442, 0.3716

Monochromacy



Original Color

30.5753, 0.2719, 0.4989



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

19.3491, 0.2790, 0.3993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5753, 0.2719, 0.4989 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(0, 173, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 87)  
}
```

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(0, 173, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 87) }
```

Border

The CSS property to change the border of an element to Yxy 30.5753, 0.2719, 0.4989 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(0, 173, 87) }
```

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

```
.border{ border-color:rgb(0, 173, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 173, 87)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.5753, 0.2719, 0.4989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 87) }
```

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

```
.background{ background-color: rgb(0, 173,  
87) }
```

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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