

Converting Colors

$Y_{xy}(30.8301, 0.2779, 0.4989)$

Have a look what the booklet for
Yxy(30.8301, 0.2779, 0.4989)
contains.

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Color

Yxy(30.8503, 0.2777, 0.4985)

Conversions

Conversions Part 1

Format	Color
Hex	1FAD56
RGB	31, 173, 86
RGB Percent	12%, 68%, 34%
CMY	0.8788, 0.3215, 0.6628
CMYK	0.82, 0.00, 0.50, 0.32
HSL	143°, 70%, 40%
HSV	143°, 82%, 68%
XYZ	17.1858, 30.8503, 13.8501
YIQ	120.6240, -56.7050, -57.1610

Conversions

Conversions Part 2

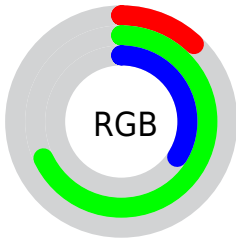
Format	Color
RYB	31, 133, 173
Decimal	2075990
CIELab	62.38, -55.11, 34.56
CIELCh	62, 65.051, 147.913
Yxy	30.8503, 0.2777, 0.4985
Android (android.graphics.Color)	4280266070 (0xFF1FAD56)
YUV	120.6240, -17.0696, -78.6002
Hunter-Lab	55.5430, -41.9699, 24.0957

Details

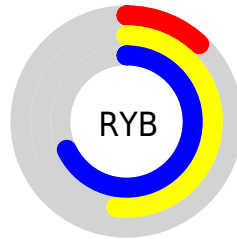
The Yxy color **30.8503, 0.2777, 0.4985** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **11.1666, 0.4171, 0.2219**, and the grayscale version is **19.0543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2246, 0.2879, 0.4604**, and **13.3272, 0.2862, 0.5504** is the 20% darker color. If you saturate the color by 10%, you get **30.4936, 0.2797, 0.5200**, and if you desaturate by 10%, it is **31.3788, 0.2775, 0.4755**.

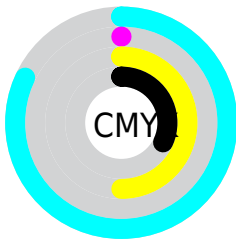
Distribution



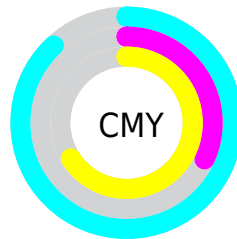
- Red (12%)
- Green (68%)
- Blue (34%)



- Red (12%)
- Yellow (52%)
- Blue (68%)



- Cyan (82%)
- Magenta (0%)
- Yellow (50%)
- Black (32%)




- Cyan (88%)
- Magenta (32%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8503, 0.2777, 0.4985 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 30.8503, 0.2777, 0.4985 by changing the saturation by 10% instead.

 30.8503, 0.2777,
0.4985


 30.8503, 0.2777,
0.4985


305.8481, 0.3007,
0.4009


 20.4849, 0.2695,
0.5276


 61.0043, 0.2877,
0.4596

 12.7480, 0.2571,
0.5678


 81.5617, 0.2909,
0.4461


 7.2552, 0.2370,
0.6261


 106.2852, 0.2935,
0.4350

 3.6222, 0.2073,
0.7355

 135.5592, 0.2955,
0.4259

 1.4646, 0.0000,
1.0000

 169.7681, 0.2971,
0.4181

 0.2636, 0.0000,
1.0000

 209.2962, 0.2985,

 0.0000, 0.0000,

0.4115

0.0000

254.5281, 0.2997,
0.4059

■ 30.8503, 0.2777,
0.4985

■ 30.8503, 0.2777,
0.4985

■ 30.4936, 0.2797,
0.5200

■ 31.3788, 0.2775,
0.4755

■ 30.2959, 0.2821,
0.5354

■ 32.0966, 0.2791,
0.4519

■ 33.0230, 0.2822,
0.4285

■ 34.1739, 0.2867,
0.4060

■ 35.5635, 0.2921,
0.3848

■ 37.2049, 0.2982,
0.3654

■ 39.1101, 0.3047,
0.3478

■ 41.2905, 0.3113,
0.3321

■ 43.7566, 0.3179,
0.3182

Harmonies

Analogous

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



30.8503, 0.3724, 0.5201



30.8503, 0.2777, 0.4985



30.8503, 0.1976, 0.3948

Triad

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



30.8503, 0.2777, 0.4985



30.8503, 0.1702, 0.1829



30.8503, 0.5028, 0.3301

Complementary

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



30.8503, 0.2777, 0.4985



11.1666, 0.4171, 0.2219

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.



30.8503, 0.4287, 0.2661



30.8503, 0.2777, 0.4985



30.8503, 0.2287, 0.1857

Square

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



30.8503, 0.2777, 0.4985



30.8503, 0.1455, 0.2116



30.8503, 0.3215, 0.2150



30.8503, 0.5094, 0.4001

Rectangle

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



30.8503, 0.2777, 0.4985



30.8503, 0.1636, 0.3159



30.8503, 0.3215, 0.2150



30.8503, 0.4848, 0.3079

Sweetspot

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



30.8516, 0.2777, 0.4985



65.6041, 0.2961, 0.3716



33.8776, 0.3595, 0.5357



14.0406, 0.2941, 0.3782



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.



30.8516, 0.2777, 0.4985



54.2515, 0.2826, 0.5366



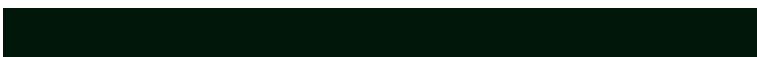
32.5947, 0.2369, 0.3584



8.9888, 0.3065, 0.3432



22.2653, 0.2815, 0.5334



0.6303, 0.2637, 0.4694

Inverse Universe

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



11.1666, 0.4171, 0.2219



17.8033, 0.4492, 0.2253



10.0695, 0.5695, 0.3143



8.0947, 0.3194, 0.3152



7.3018, 0.4465, 0.2233



0.2134, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 30.8503, 0.2777, 0.4985 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 30.8503, 0.2777, 0.4985 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 30.8503, 0.2777, 0.4985

Background



This preview shows how black text looks on a background with the Yxy color 30.8503, 0.2777, 0.4985.



This preview shows how white text looks on a background with the Yxy color 30.8503, 0.2777, 0.4985.

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

30.8503, 0.2777, 0.4985

Protanopia

30.3621, 0.3985, 0.4352

Deuteranopia

30.2768, 0.4067, 0.3985



Tritanopia

30.7067, 0.2359, 0.3069

Trichromacy



Original Color

30.8503, 0.2777, 0.4985



Protanomaly

28.7608, 0.3378, 0.4646



Deuteranomaly

28.3022, 0.3416, 0.4385



Tritanomaly

30.4905, 0.2503, 0.3730

Monochromacy



Original Color

30.8503, 0.2777, 0.4985



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.9136, 0.2898, 0.3942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8503, 0.2777, 0.4985 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(31, 173, 86)` looks like.

```
.text, #text, p{  
    color:rgb(31, 173, 86)  
}
```

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(31, 173, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 173, 86) }
```

Border

The CSS property to change the border of an element to Yxy 30.8503, 0.2777, 0.4985 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(31, 173, 86) }
```

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

```
.border{ border-color:rgb(31, 173, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 173, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 173, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 173, 86);  
box-shadow:4px 4px 4px 4px rgb(31, 173,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8503, 0.2777, 0.4985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 173, 86) }
```

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

```
.background{ background-color: rgb(31, 173,  
86) }
```

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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