

Converting Colors

$Y_{xy}(31.6677, 0.2732, 0.5527)$

Have a look what the booklet for
Yxy(31.6677, 0.2732, 0.5527)
contains.

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Color

Yxy(32.1997, 0.2848, 0.5453)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00B23F |
| RGB | 0, 178, 63 |
| RGB Percent | 0%, 70%, 25% |
| CMY | 1.0000, 0.3019, 0.7529 |
| CMYK | 1.00, 0.00, 0.65, 0.30 |
| HSL | 141°, 100%, 35% |
| HSV | 141°, 100%, 70% |
| XYZ | 16.8173, 32.1997, 10.0325 |
| YIQ | 111.6680, -69.1730, -73.5010 |

Conversions

Conversions Part 2

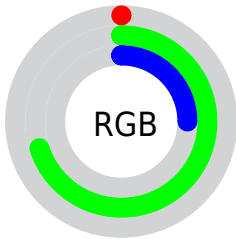
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 131, 178 |
| Decimal | 45631 |
| CIELab | 63.51, -62.00, 46.75 |
| CIELCh | 64, 77.654, 142.985 |
| Yxy | 32.1997, 0.2848, 0.5453 |
| Android (android.graphics.Color) | 4278235711 (0xFF00B23F) |
| YUV | 111.6680, -23.9933, -97.9328 |
| Hunter-Lab | 56.7448, -46.4018, 29.2388 |

Details

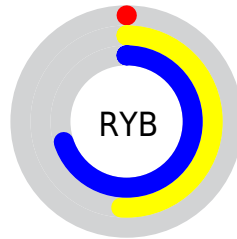
The Yxy color **32.1997, 0.2848, 0.5453** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **10.7031, 0.4351, 0.2171**, and the grayscale version is **16.1886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0874, 0.2954, 0.4966**, and **14.4197, 0.2995, 0.5984** is the 20% darker color. If you saturate the color by 10%, you get **32.2013, 0.2848, 0.5453**, and if you desaturate by 10%, it is **32.4703, 0.2818, 0.5253**.

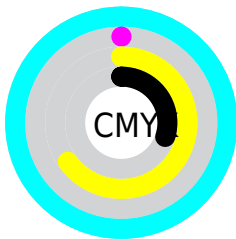
Distribution



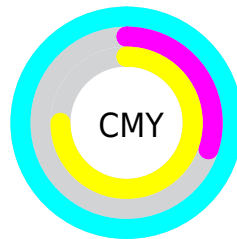
- Red (0%)
- Green (70%)
- Blue (25%)



- Red (0%)
- Yellow (51%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1997, 0.2848, 0.5453 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 32.1997, 0.2848, 0.5453 by changing the saturation by 10% instead.


 32.1997, 0.2848,
0.5453


 32.1997, 0.2848,
0.5453


312.0279, 0.3069,
0.4212


 21.5141, 0.2754,
0.5810


 63.1240, 0.2954,
0.4965


 13.5003, 0.2606,
0.6289


 84.1315, 0.2985,
0.4792

 7.7739, 0.2359,
0.6952


 109.3484, 0.3009,
0.4651

 3.9506, 0.1964,
0.8036

 139.1591, 0.3027,
0.4534

 1.6460, 0.0000,
1.0000

 173.9480, 0.3041,
0.4434

 0.3883, 0.0000,
1.0000

 214.0996, 0.3052,

 0.0000, 0.0000,

0.4350

0.0000

259.9981, 0.3061,
0.4276

■ 32.1997, 0.2848,
0.5453

■ 32.1997, 0.2848,
0.5453

■ 32.2013, 0.2848,
0.5453

■ 32.4703, 0.2818,
0.5253

■ 32.8823, 0.2801,
0.5029

■ 33.4827, 0.2801,
0.4787

■ 34.2939, 0.2818,
0.4539

■ 35.3347, 0.2850,
0.4293

■ 36.6220, 0.2894,
0.4057

■ 38.1710, 0.2946,
0.3836

■ 39.9956, 0.3004,
0.3634

■ 42.1086, 0.3065,
0.3452

Harmonies

Analogous

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



32.1997, 0.3914, 0.5437



32.1997, 0.2848, 0.5453



32.1997, 0.1907, 0.4309

Triad

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



32.1997, 0.2848, 0.5453



32.1997, 0.1450, 0.1660



32.1997, 0.5256, 0.3133

Complementary

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



32.1997, 0.2848, 0.5453



10.7031, 0.4351, 0.2171

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.



32.1997, 0.4284, 0.2452



32.1997, 0.2848, 0.5453



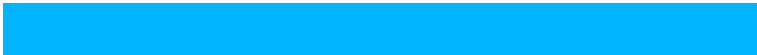
32.1997, 0.2022, 0.1650

Square

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



32.1997, 0.2848, 0.5453



32.1997, 0.1237, 0.2021



32.1997, 0.3015, 0.1926



32.1997, 0.5420, 0.3885

Rectangle

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



32.1997, 0.2848, 0.5453



32.1997, 0.1494, 0.3323



32.1997, 0.3015, 0.1926



32.1997, 0.5008, 0.2896

Sweetspot

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



32.2013, 0.2848, 0.5453



69.0596, 0.2944, 0.3847



35.5350, 0.3592, 0.5530



15.0299, 0.2921, 0.3938



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



32.2013, 0.2848, 0.5453



58.3527, 0.2856, 0.5483



34.0866, 0.2380, 0.3768



9.5381, 0.3069, 0.3441



23.0503, 0.2842, 0.5432



0.7366, 0.2676, 0.4832

Inverse Universe

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



10.7031, 0.4351, 0.2171



19.3632, 0.4375, 0.2184



9.5432, 0.6189, 0.3183



8.5946, 0.3190, 0.3144



7.6701, 0.4335, 0.2161



0.2519, 0.3948, 0.1948

Previews

White Background



This preview shows how the Yxy color 32.1997, 0.2848, 0.5453 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 32.1997, 0.2848, 0.5453 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 32.1997, 0.2848, 0.5453

Background



This preview shows how black text looks on a background with the Yxy color 32.1997, 0.2848, 0.5453.



This preview shows how white text looks on a background with the Yxy color 32.1997, 0.2848, 0.5453.

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

32.1997, 0.2848, 0.5453

Protanopia

31.7259, 0.4190, 0.4600

Deuteranopia

31.4232, 0.4324, 0.4237



Tritanopia

32.3104, 0.2352, 0.3073

Trichromacy



Original Color

32.1997, 0.2848, 0.5453



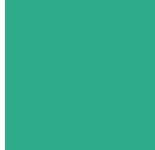
Protanomaly

29.4076, 0.3440, 0.5054



Deuteranomaly

28.5367, 0.3512, 0.4800



Tritanomaly

31.5128, 0.2513, 0.3919

Monochromacy



Original Color

32.1997, 0.2848, 0.5453



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

19.7561, 0.2864, 0.4215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1997, 0.2848, 0.5453 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, 178, 63)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 63)  
}
```

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, 178, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 63) }
```

Border

The CSS property to change the border of an element to Yxy 32.1997, 0.2848, 0.5453 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, 178, 63) }
```

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

```
.border{ border-color:rgb(0, 178, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 63);  
box-shadow:4px 4px 4px 4px rgb(0, 178, 63)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.1997, 0.2848, 0.5453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 63) }
```

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

```
.background{ background-color: rgb(0, 178,  
63) }
```

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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