

Converting Colors

$Y_{xy}(31.9555, 0.2802, 0.5203)$

Have a look what the booklet for
Yxy(31.9555, 0.2802, 0.5203)
contains.

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Color

Yxy(32.0903, 0.2801, 0.5204)

Conversions

Conversions Part 1

Format	Color
Hex	10B14D
RGB	16, 177, 77
RGB Percent	6%, 69%, 30%
CMY	0.9381, 0.3058, 0.6981
CMYK	0.91, 0.00, 0.57, 0.31
HSL	143°, 84%, 38%
HSV	143°, 91%, 69%
XYZ	17.2723, 32.0903, 12.3021
YIQ	117.4610, -63.8560, -65.2320

Conversions

Conversions Part 2

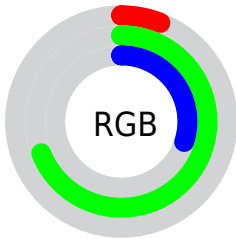
Format	Color
RYB	16, 133, 177
Decimal	1093965
CIELab	63.42, -59.11, 40.24
CIELCh	63, 71.505, 145.754
Yxy	32.0903, 0.2801, 0.5204
Android (android.graphics.Color)	4279284045 (0xFF10B14D)
YUV	117.4610, -19.9473, -88.9813
Hunter-Lab	56.6483, -44.7092, 26.7780

Details

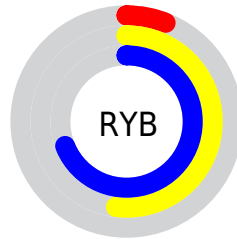
The Yxy color **32.0903, 0.2801, 0.5204** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **10.9691, 0.4302, 0.2199**, and the grayscale version is **17.9983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0008, 0.2908, 0.4776**, and **14.2405, 0.2925, 0.5730** is the 20% darker color. If you saturate the color by 10%, you get **31.8552, 0.2828, 0.5381**, and if you desaturate by 10%, it is **32.4832, 0.2782, 0.4986**.

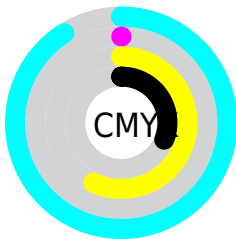
Distribution



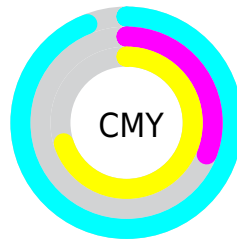
- Red (6%)
- Green (69%)
- Blue (30%)



- Red (6%)
- Yellow (52%)
- Blue (69%)



- Cyan (91%)
- Magenta (0%)
- Yellow (57%)
- Black (31%)



- Cyan (94%)
- Magenta (31%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0903, 0.2801, 0.5204 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 32.0903, 0.2801, 0.5204 by changing the saturation by 10% instead.


 32.0903, 0.2801,
0.5204


 32.0903, 0.2801,
0.5204


311.5304, 0.3029,
0.4105


 21.4305, 0.2714,
0.5526


 62.9526, 0.2904,
0.4769


 13.4390, 0.2581,
0.5965


 83.9239, 0.2936,
0.4616


 7.7316, 0.2361,
0.6585


 109.1012, 0.2961,
0.4492

 3.9237, 0.2082,
0.7899

 138.8687, 0.2981,
0.4388

 1.6310, 0.0000,
1.0000

 173.6111, 0.2996,
0.4301

 0.3783, 0.0000,
1.0000

 213.7125, 0.3009,

 0.0000, 0.0000,

0.4226

0.0000

259.5575, 0.3020,
0.4162

■ 32.0903, 0.2801,
0.5204

■ 32.0903, 0.2801,
0.5204

■ 31.8552, 0.2828,
0.5381

■ 32.4832, 0.2782,
0.4986

■ 33.0564, 0.2782,
0.4752

■ 33.8333, 0.2799,
0.4513

■ 34.8327, 0.2831,
0.4276

■ 36.0715, 0.2876,
0.4048

■ 37.5643, 0.2930,
0.3836

■ 39.3251, 0.2991,
0.3640

■ 41.3666, 0.3055,
0.3464

■ 43.7005, 0.3120,
0.3306

Harmonies

Analogous

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



32.0903, 0.3808, 0.5330



32.0903, 0.2801, 0.5204



32.0903, 0.1934, 0.4100

Triad

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



32.0903, 0.2801, 0.5204



32.0903, 0.1581, 0.1743



32.0903, 0.5147, 0.3229

Complementary

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



32.0903, 0.2801, 0.5204



10.9691, 0.4302, 0.2199

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.



32.0903, 0.4303, 0.2566



32.0903, 0.2801, 0.5204



32.0903, 0.2166, 0.1756

Square

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



32.0903, 0.2801, 0.5204



32.0903, 0.1347, 0.2063



32.0903, 0.3134, 0.2044



32.0903, 0.5251, 0.3958

Rectangle

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



32.0903, 0.2801, 0.5204



32.0903, 0.1561, 0.3220



32.0903, 0.3134, 0.2044



32.0903, 0.4938, 0.2999

Sweetspot

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



32.0916, 0.2801, 0.5204



68.3537, 0.2952, 0.3763



35.3286, 0.3598, 0.5462



14.5977, 0.2932, 0.3829



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.0916, 0.2801, 0.5204



57.0058, 0.2836, 0.5411



33.9398, 0.2368, 0.3670



9.5417, 0.3066, 0.3435



23.0887, 0.2822, 0.5360



0.7380, 0.2658, 0.4767

Inverse Universe

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



10.9691, 0.4302, 0.2199



18.7049, 0.4479, 0.2241



9.8479, 0.5980, 0.3157



8.5909, 0.3194, 0.3150



7.5971, 0.4435, 0.2217



0.2500, 0.4011, 0.1983

Previews

White Background



This preview shows how the Yxy color 32.0903, 0.2801, 0.5204 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 32.0903, 0.2801, 0.5204 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 32.0903, 0.2801, 0.5204

Background



This preview shows how black text looks on a background with the Yxy color 32.0903, 0.2801, 0.5204.



This preview shows how white text looks on a background with the Yxy color 32.0903, 0.2801, 0.5204.

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

32.0903, 0.2801, 0.5204

Protanopia

31.6472, 0.4078, 0.4477

Deuteranopia

31.3618, 0.4186, 0.4095



Tritanopia

31.9073, 0.2343, 0.3055

Trichromacy



Original Color

32.0903, 0.2801, 0.5204



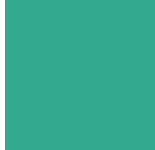
Protanomaly

29.8193, 0.3398, 0.4848



Deuteranomaly

29.0236, 0.3449, 0.4565



Tritanomaly

31.4364, 0.2491, 0.3783

Monochromacy



Original Color

32.0903, 0.2801, 0.5204



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

21.1300, 0.2877, 0.4069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0903, 0.2801, 0.5204 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(16, 177, 77)` looks like.

```
.text, #text, p{  
    color:rgb(16, 177, 77)  
}
```

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(16, 177, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 177, 77) }
```

Border

The CSS property to change the border of an element to Yxy 32.0903, 0.2801, 0.5204 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(16, 177, 77) }
```

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

```
.border{ border-color:rgb(16, 177, 77) }
```

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

Here you see how a box with a 4 pixel rgb(16, 177, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 177, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 177, 77);  
box-shadow:4px 4px 4px 4px rgb(16, 177,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0903, 0.2801, 0.5204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 177, 77) }
```

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

```
.background{ background-color: rgb(16, 177,  
77) }
```

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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