

Converting Colors

$Y_{xy}(32.5501, 0.2870, 0.5136)$

Have a look what the booklet for
Yxy(32.5501, 0.2870, 0.5136)
contains.

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Color

Yxy(32.5667, 0.2868, 0.5128)

Conversions

Conversions Part 1

Format	Color
Hex	2DB14F
RGB	45, 177, 79
RGB Percent	18%, 69%, 31%
CMY	0.8238, 0.3059, 0.6901
CMYK	0.75, 0.00, 0.55, 0.31
HSL	135°, 60%, 44%
HSV	135°, 75%, 69%
XYZ	18.2140, 32.5667, 12.7269
YIQ	126.3600, -47.2140, -58.4620

Conversions

Conversions Part 2

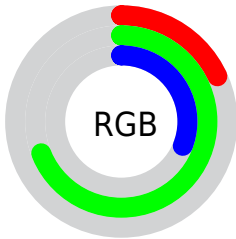
Format	Color
RYB	45, 150, 177
Decimal	2994511
CIELab	63.81, -55.74, 39.81
CIELCh	64, 68.496, 144.462
Yxy	32.5667, 0.2868, 0.5128
Android (android.graphics.Color)	4281184591 (0xFF2DB14F)
YUV	126.3600, -23.3485, -71.3527
Hunter-Lab	57.0672, -42.8964, 26.7244

Details

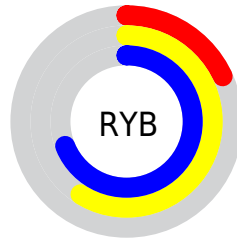
The Yxy color **32.5667, 0.2868, 0.5128** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **13.2003, 0.3727, 0.2048**, and the grayscale version is **21.0812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8638, 0.2955, 0.4709**, and **14.2546, 0.2912, 0.5682** is the 20% darker color. If you saturate the color by 10%, you get **32.0751, 0.2877, 0.5376**, and if you desaturate by 10%, it is **33.2670, 0.2874, 0.4857**.

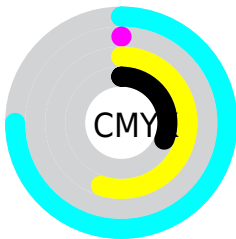
Distribution



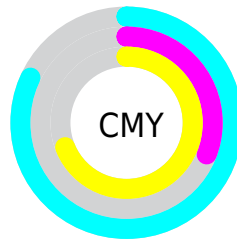
- Red (18%)
- Green (69%)
- Blue (31%)



- Red (18%)
- Yellow (59%)
- Blue (69%)



- Cyan (75%)
- Magenta (0%)
- Yellow (55%)
- Black (31%)




- Cyan (82%)
- Magenta (31%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5667, 0.2868, 0.5128 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 32.5667, 0.2868, 0.5128 by changing the saturation by 10% instead.


 32.5667, 0.2868,
0.5128


 32.5667, 0.2868,
0.5128


313.6927, 0.3057,
0.4079


 21.7947, 0.2793,
0.5434


 63.6984, 0.2955,
0.4714


 13.7061, 0.2677,
0.5849


 84.8270, 0.2982,
0.4568


 7.9166, 0.2483,
0.6436


 110.1765, 0.3002,
0.4449

 4.0416, 0.2226,
0.7611

 140.1314, 0.3018,
0.4350

 1.6969, 0.0516,
0.9484

 175.0761, 0.3031,
0.4266

 0.4216, 0.0000,
1.0000

215.3950, 0.3041,

 0.0000, 0.0000,

0.4195

0.0000

261.4724, 0.3050,
0.4133

■ 32.5667, 0.2868,
0.5128

■ 32.5667, 0.2868,
0.5128

■ 32.0751, 0.2877,
0.5376

■ 33.2670, 0.2874,
0.4857

■ 31.7631, 0.2899,
0.5588

■ 34.1927, 0.2894,
0.4576

■ 31.6416, 0.2913,
0.5685

■ 35.3634, 0.2925,
0.4299

■ 36.7954, 0.2964,
0.4036

■ 38.5035, 0.3009,
0.3792

■ 40.5015, 0.3056,
0.3571

■ 42.8022, 0.3105,
0.3373

■ 45.4175, 0.3153,
0.3199

■ 48.3589, 0.3199,
0.3046

Harmonies

Analogous

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



32.5667, 0.3839, 0.5229



32.5667, 0.2868, 0.5128



32.5667, 0.2017, 0.4116

Triad

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



32.5667, 0.2868, 0.5128



32.5667, 0.1619, 0.1806



32.5667, 0.5035, 0.3214

Complementary

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



32.5667, 0.2868, 0.5128



13.2003, 0.3727, 0.2048

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.



32.5667, 0.4205, 0.2572



32.5667, 0.2868, 0.5128



32.5667, 0.2173, 0.1803

Square

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



32.5667, 0.2868, 0.5128



32.5667, 0.1405, 0.2138



32.5667, 0.3091, 0.2072



32.5667, 0.5178, 0.3922

Rectangle

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



32.5667, 0.2868, 0.5128



32.5667, 0.1640, 0.3282



32.5667, 0.3091, 0.2072



32.5667, 0.4823, 0.2990

Sweetspot

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



32.5680, 0.2868, 0.5128



69.7082, 0.3019, 0.3741



37.5640, 0.3767, 0.5109



14.9154, 0.3007, 0.3801



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.



32.5680, 0.2868, 0.5128



57.0227, 0.2891, 0.5527



34.0165, 0.2491, 0.3881



9.5249, 0.3082, 0.3463



22.9322, 0.2908, 0.5667



0.7313, 0.2749, 0.5096

Inverse Universe

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



13.2003, 0.3727, 0.2048



20.4932, 0.3903, 0.1968



11.7689, 0.5035, 0.2898



8.6085, 0.3176, 0.3123



7.9761, 0.3978, 0.1965



0.2598, 0.3722, 0.1824

Previews

White Background



This preview shows how the Yxy color 32.5667, 0.2868, 0.5128 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 32.5667, 0.2868, 0.5128 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 32.5667, 0.2868, 0.5128

Background



This preview shows how black text looks on a background with the Yxy color 32.5667, 0.2868, 0.5128.



This preview shows how white text looks on a background with the Yxy color 32.5667, 0.2868, 0.5128.

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

32.5667, 0.2868, 0.5128

Protanopia

32.1122, 0.4065, 0.4460

Deuteranopia

31.8107, 0.4179, 0.4092



Tritanopia

32.2732, 0.2386, 0.3058

Trichromacy



Original Color

32.5667, 0.2868, 0.5128



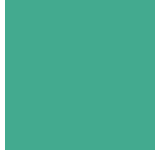
Protanomaly

30.6950, 0.3505, 0.4757



Deuteranomaly

29.9049, 0.3558, 0.4499



Tritanomaly

31.9259, 0.2559, 0.3775

Monochromacy



Original Color

32.5667, 0.2868, 0.5128



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.8963, 0.2977, 0.3992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5667, 0.2868, 0.5128 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(45, 177, 79)` looks like.

```
.text, #text, p{  
    color:rgb(45, 177, 79)  
}
```

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(45, 177, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 177, 79) }
```

Border

The CSS property to change the border of an element to Yxy 32.5667, 0.2868, 0.5128 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(45, 177, 79) }
```

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

```
.border{ border-color:rgb(45, 177, 79) }
```

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

Here you see how a box with a 4 pixel rgb(45, 177, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 177, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 177, 79);  
box-shadow:4px 4px 4px 4px rgb(45, 177,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5667, 0.2868, 0.5128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 177, 79) }
```

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

```
.background{ background-color: rgb(45, 177,  
79) }
```

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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