

Converting Colors

$Yxy(32.9946, 0.2868, 0.5507)$

Have a look what the booklet for
Yxy(32.9946, 0.2868, 0.5507)
contains.

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Color

Yxy(32.9946, 0.2868, 0.5507)

Conversions

Conversions Part 1

Format	Color
Hex	04B43C
RGB	4, 180, 60
RGB Percent	2%, 71%, 24%
CMY	0.9857, 0.2941, 0.7647
CMYK	0.98, 0.00, 0.67, 0.29
HSL	139°, 96%, 36%
HSV	139°, 98%, 71%
XYZ	17.1833, 32.9946, 9.7360
YIQ	113.6960, -66.3760, -74.6320

Conversions

Conversions Part 2

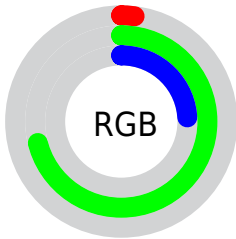
Format	Color
RYB	4, 138, 180
Decimal	308284
CIELab	64.16, -62.78, 48.77
CIELCh	64, 79.496, 142.161
Yxy	32.9946, 0.2868, 0.5507
Android (android.graphics.Color)	4278498364 (0xFF04B43C)
YUV	113.6960, -26.4721, -96.2034
Hunter-Lab	57.4409, -47.1238, 30.1592

Details

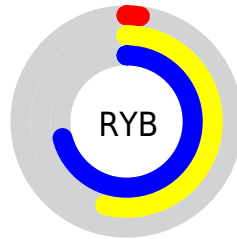
The Yxy color **32.9946, 0.2868, 0.5507** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.2302, 0.4190, 0.2093**, and the grayscale version is **16.7946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3020, 0.2972, 0.5003**, and **14.6672, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.9468, 0.2874, 0.5545**, and if you desaturate by 10%, it is **33.2839, 0.2840, 0.5303**.

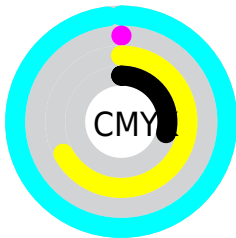
Distribution



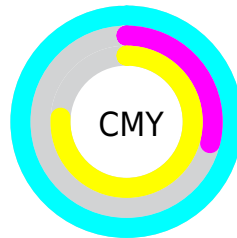
- Red (2%)
- Green (71%)
- Blue (24%)



- Red (2%)
- Yellow (54%)
- Blue (71%)



- Cyan (98%)
- Magenta (0%)
- Yellow (67%)
- Black (29%)



- Cyan (99%)
- Magenta (29%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9946, 0.2868, 0.5507 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 32.9946, 0.2868, 0.5507 by changing the saturation by 10% instead.


 32.9946, 0.2868,
0.5507


 32.9946, 0.2868,
0.5507


315.6254, 0.3082,
0.4241


 22.1223, 0.2775,
0.5867


 64.3671, 0.2973,
0.5011


 13.9468, 0.2626,
0.6346


 85.6361, 0.3003,
0.4835

 8.0837, 0.2380,
0.7007


 111.1394, 0.3026,
0.4691

 4.1485, 0.1974,
0.8026

 141.2616, 0.3043,
0.4571

 1.7570, 0.0000,
1.0000

 176.3868, 0.3056,
0.4469

 0.4602, 0.0000,
1.0000

 216.8996, 0.3067,

 0.0000, 0.0000,

0.4382

0.0000

263.1843, 0.3075,
0.4307

■ 32.9946, 0.2868,
0.5507

■ 32.9946, 0.2868,
0.5507

■ 32.9468, 0.2874,
0.5545

■ 33.2839, 0.2840,
0.5303

■ 33.7381, 0.2825,
0.5069

■ 34.3935, 0.2828,
0.4817

■ 35.2723, 0.2846,
0.4556

■ 36.3938, 0.2878,
0.4298

■ 37.7751, 0.2921,
0.4052

■ 39.4317, 0.2971,
0.3822

■ 41.3779, 0.3025,
0.3613

■ 43.6270, 0.3082,
0.3425

Harmonies

Analogous

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



32.9946, 0.3945, 0.5450



32.9946, 0.2868, 0.5507



32.9946, 0.1911, 0.4368

Triad

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



32.9946, 0.2868, 0.5507



32.9946, 0.1422, 0.1646



32.9946, 0.5270, 0.3106

Complementary

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



32.9946, 0.2868, 0.5507



11.2302, 0.4190, 0.2093

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.



32.9946, 0.4266, 0.2424



32.9946, 0.2868, 0.5507



32.9946, 0.1987, 0.1628

Square

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



32.9946, 0.2868, 0.5507



32.9946, 0.1216, 0.2020



32.9946, 0.2979, 0.1900



32.9946, 0.5455, 0.3862

Rectangle

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



32.9946, 0.2868, 0.5507



32.9946, 0.1487, 0.3359



32.9946, 0.2979, 0.1900



32.9946, 0.5011, 0.2869

Sweetspot

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



32.9960, 0.2868, 0.5507



71.0000, 0.2963, 0.3856



36.9513, 0.3652, 0.5469



15.0665, 0.2941, 0.3951



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.



32.9960, 0.2868, 0.5507



59.6952, 0.2882, 0.5574



34.7977, 0.2411, 0.3869



9.5334, 0.3074, 0.3449



23.0032, 0.2868, 0.5523



0.7347, 0.2701, 0.4923

Inverse Universe

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



11.2302, 0.4190, 0.2093



20.1199, 0.4239, 0.2109



9.9107, 0.6058, 0.3130



8.5996, 0.3185, 0.3136



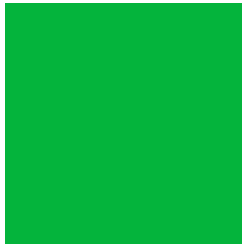
7.7742, 0.4202, 0.2089



0.2547, 0.3864, 0.1902

Previews

White Background



This preview shows how the Yxy color 32.9946, 0.2868, 0.5507 looks on a white background.

Color Contrast Check

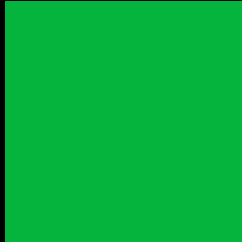
Large Text (above 18pt) WCAG AA × Fail

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 32.9946, 0.2868, 0.5507 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 32.9946, 0.2868, 0.5507

Background



This preview shows how black text looks on a background with the Yxy color 32.9946, 0.2868, 0.5507.



This preview shows how white text looks on a background with the Yxy color 32.9946, 0.2868, 0.5507.

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

32.9946, 0.2868, 0.5507

Protanopia

32.5840, 0.4211, 0.4636

Deuteranopia

32.3987, 0.4354, 0.4267



Tritanopia

32.7991, 0.2349, 0.3058

Trichromacy



Original Color

32.9946, 0.2868, 0.5507



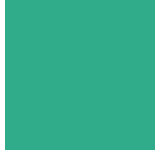
Protanomaly

30.2160, 0.3467, 0.5100



Deuteranomaly

29.4125, 0.3547, 0.4834



Tritanomaly

31.9684, 0.2518, 0.3915

Monochromacy



Original Color

32.9946, 0.2868, 0.5507



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

20.4410, 0.2892, 0.4243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9946, 0.2868, 0.5507 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(4, 180, 60)` looks like.

```
.text, #text, p{  
    color:rgb(4, 180, 60)  
}
```

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(4, 180, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 180, 60) }
```

Border

The CSS property to change the border of an element to Yxy 32.9946, 0.2868, 0.5507 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(4, 180, 60) }
```

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

```
.border{ border-color:rgb(4, 180, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 180, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 180, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 180, 60);  
box-shadow:4px 4px 4px 4px rgb(4, 180, 60)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.9946, 0.2868, 0.5507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 180, 60) }
```

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

```
.background{ background-color: rgb(4, 180,  
60) }
```

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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