

Converting Colors

$Yxy(32.7159, 0.2965, 0.4720)$

Have a look what the booklet for
Yxy(32.7159, 0.2965, 0.4720)
contains.

Yxy(32.8477, 0.2962, 0.4725)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.8477, 0.2962, 0.4725)

Conversions

Conversions Part 1

Format	Color
Hex	51AE5F
RGB	81, 174, 95
RGB Percent	32%, 68%, 37%
CMY	0.6825, 0.3176, 0.6275
CMYK	0.53, 0.00, 0.45, 0.32
HSL	129°, 36%, 50%
HSV	129°, 53%, 68%
XYZ	20.5915, 32.8477, 16.0797
YIQ	137.1870, -30.0690, -44.2850

Conversions

Conversions Part 2

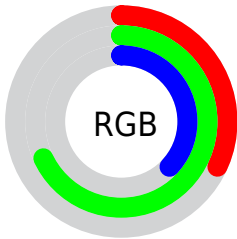
Format	Color
RYB	81, 162, 174
Decimal	5353055
CIELab	64.04, -44.69, 32.28
CIELCh	64, 55.129, 144.159
Yxy	32.8477, 0.2962, 0.4725
Android (android.graphics.Color)	4283543135 (0xFF51AE5F)
YUV	137.1870, -20.7982, -49.2760
Hunter-Lab	57.3129, -36.1657, 23.4846

Details

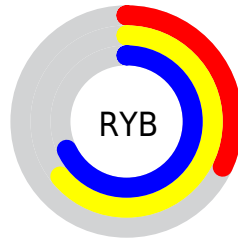
The Yxy color **32.8477, 0.2962, 0.4725** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **17.4141, 0.3370, 0.2195**, and the grayscale version is **25.1752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0186, 0.3015, 0.4399**, and **13.9655, 0.2840, 0.5276** is the 20% darker color. If you saturate the color by 10%, you get **31.9332, 0.2945, 0.5035**, and if you desaturate by 10%, it is **34.0128, 0.2986, 0.4413**.

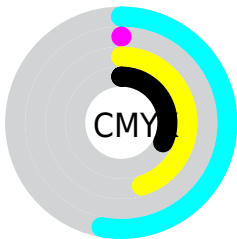
Distribution



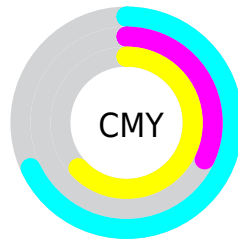
- Red (32%)
- Green (68%)
- Blue (37%)



- Red (32%)
- Yellow (64%)
- Blue (68%)



- Cyan (53%)
- Magenta (0%)
- Yellow (45%)
- Black (32%)



- Cyan (68%)
- Magenta (32%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8477, 0.2962, 0.4725 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 32.8477, 0.2962, 0.4725 by changing the saturation by 10% instead.


 32.8477, 0.2962,
0.4725


 32.8477, 0.2962,
0.4725


314.9629, 0.3081,
0.3915


 22.0098, 0.2915,
0.4960


 64.1377, 0.3016,
0.4407

 13.8641, 0.2843,
0.5283


 85.3585, 0.3033,
0.4294

 8.0262, 0.2721,
0.5746


 110.8092, 0.3046,
0.4203

 4.1117, 0.2507,
0.6483

 140.8740, 0.3056,
0.4126

 1.7363, 0.1819,
0.8181

 175.9374, 0.3064,
0.4061

 0.4470, 0.0000,
1.0000

216.3837, 0.3071,

 0.0000, 0.0000,

0.4005

0.0000

262.5974, 0.3076,
0.3957

■ 32.8477, 0.2962,
0.4725

■ 32.8477, 0.2962,
0.4725

■ 31.9332, 0.2945,
0.5035

■ 34.0128, 0.2986,
0.4413

■ 31.2469, 0.2938,
0.5325

■ 35.4409, 0.3016,
0.4114

■ 30.7695, 0.2941,
0.5577

■ 37.1483, 0.3048,
0.3836

■ 30.4761, 0.2954,
0.5773

■ 39.1488, 0.3082,
0.3585

■ 30.3515, 0.2963,
0.5868

■ 41.4554, 0.3116,
0.3361

■ 44.0802, 0.3148,
0.3165

■ 47.0348, 0.3179,
0.2994

■ 50.3301, 0.3208,
0.2846

■ 53.9764, 0.3235,
0.2717

Harmonies

Analogous

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



32.8477, 0.3775, 0.4865



32.8477, 0.2962, 0.4725



32.8477, 0.2238, 0.3958

Triad

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



32.8477, 0.2962, 0.4725



32.8477, 0.1856, 0.2051



32.8477, 0.4662, 0.3260

Complementary

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



32.8477, 0.2962, 0.4725



17.4141, 0.3370, 0.2195

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.



32.8477, 0.3992, 0.2698



32.8477, 0.2962, 0.4725



32.8477, 0.2338, 0.2034

Square

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



32.8477, 0.2962, 0.4725



32.8477, 0.1672, 0.2362



32.8477, 0.3102, 0.2265



32.8477, 0.4819, 0.3877

Rectangle

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



32.8477, 0.2962, 0.4725



32.8477, 0.1903, 0.3318



32.8477, 0.3102, 0.2265



32.8477, 0.4486, 0.3064

Sweetspot

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



32.8491, 0.2962, 0.4725



69.9312, 0.3073, 0.3653



38.3479, 0.3750, 0.4620



15.3779, 0.3066, 0.3703



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.



32.8491, 0.2962, 0.4725



57.6832, 0.2943, 0.5085



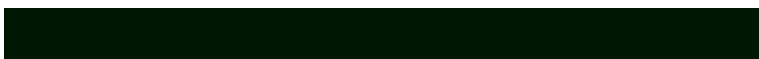
33.9591, 0.2655, 0.3858



8.9583, 0.3096, 0.3488



22.0173, 0.2960, 0.5855



0.6184, 0.2834, 0.5403

Inverse Universe

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



17.4141, 0.3370, 0.2195



26.7217, 0.3436, 0.2010



16.0813, 0.4097, 0.2815



8.1270, 0.3160, 0.3100



8.0786, 0.3624, 0.1770



0.2303, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 32.8477, 0.2962, 0.4725 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 32.8477, 0.2962, 0.4725 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 32.8477, 0.2962, 0.4725

Background



This preview shows how black text looks on a background with the Yxy color 32.8477, 0.2962, 0.4725.



This preview shows how white text looks on a background with the Yxy color 32.8477, 0.2962, 0.4725.

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

32.8477, 0.2962, 0.4725

Protanopia

32.2508, 0.3914, 0.4253

Deuteranopia

32.1213, 0.4014, 0.3932



Tritanopia

32.8913, 0.2515, 0.3080

Trichromacy



Original Color

32.8477, 0.2962, 0.4725



Protanomaly

31.5634, 0.3505, 0.4434



Deuteranomaly

31.2178, 0.3560, 0.4219



Tritanomaly

32.5231, 0.2677, 0.3633

Monochromacy



Original Color

32.8477, 0.2962, 0.4725



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

26.9997, 0.3054, 0.3790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8477, 0.2962, 0.4725 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(81, 174, 95)` looks like.

```
.text, #text, p{  
    color:rgb(81, 174, 95)  
}
```

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(81, 174, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 174, 95) }
```

Border

The CSS property to change the border of an element to Yxy 32.8477, 0.2962, 0.4725 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(81, 174, 95) }
```

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

```
.border{ border-color:rgb(81, 174, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 174, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 174, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 174, 95);  
box-shadow:4px 4px 4px 4px rgb(81, 174,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8477, 0.2962, 0.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 174, 95) }
```

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

```
.background{ background-color: rgb(81, 174,  
95) }
```

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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