

Converting Colors

$Yxy(30.5084, 0.2733, 0.4541)$

Have a look what the booklet for
Yxy(30.5084, 0.2733, 0.4541)
contains.

Yxy(30.4994, 0.2732, 0.4544)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.4994, 0.2732, 0.4544)

Conversions

Conversions Part 1

Format	Color
Hex	34AA69
RGB	52, 170, 105
RGB Percent	20%, 67%, 41%
CMY	0.7964, 0.3333, 0.5883
CMYK	0.69, 0.00, 0.38, 0.33
HSL	147°, 53%, 44%
HSV	147°, 69%, 67%
XYZ	18.3372, 30.4994, 18.2835
YIQ	127.3080, -49.4630, -45.2310

Conversions

Conversions Part 2

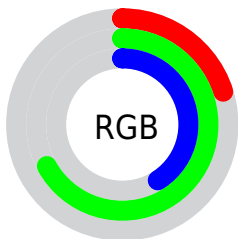
Format	Color
RYB	52, 133, 170
Decimal	3451497
CIELab	62.08, -47.65, 24.29
CIELCh	62, 53.482, 152.993
Yxy	30.4994, 0.2732, 0.4544
Android (android.graphics.Color)	4281641577 (0xFF34AA69)
YUV	127.3080, -10.9978, -66.0451
Hunter-Lab	55.2263, -37.3771, 19.0295

Details

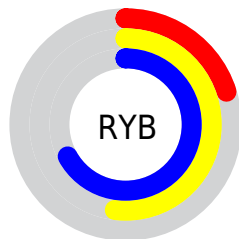
The Yxy color **30.4994, 0.2732, 0.4544** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.2785, 0.4091, 0.2391**, and the grayscale version is **21.3789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3377, 0.2826, 0.4253**, and **13.0180, 0.2717, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **29.9466, 0.2726, 0.4756**, and if you desaturate by 10%, it is **31.2382, 0.2757, 0.4331**.

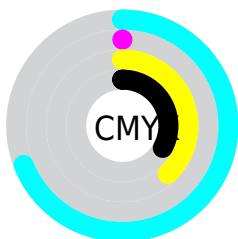
Distribution



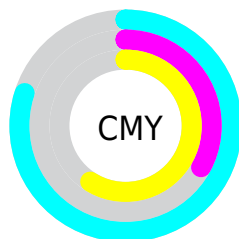
- Red (20%)
- Green (67%)
- Blue (41%)



- Red (20%)
- Yellow (52%)
- Blue (67%)



- Cyan (69%)
- Magenta (0%)
- Yellow (38%)
- Black (33%)





- Cyan (80%)
- Magenta (33%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4994, 0.2732, 0.4544 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 30.4994, 0.2732, 0.4544 by changing the saturation by 10% instead.


 30.4994, 0.2732,
0.4544


 30.4994, 0.2732,
0.4544


304.2254, 0.2967,
0.3828


 20.2180, 0.2658,
0.4758


 60.4511, 0.2828,
0.4259


 12.5536, 0.2551,
0.5056


 80.8901, 0.2861,
0.4160

 7.1219, 0.2386,
0.5498


 105.4837, 0.2887,
0.4079

 3.5384, 0.2108,
0.6203

 134.6164, 0.2909,
0.4012

 1.4189, 0.0708,
0.9292

 168.6725, 0.2927,
0.3955

 0.2306, 0.0000,
1.0000

208.0364, 0.2942,

 0.0000, 0.0000,

0.3907

0.0000

253.0926, 0.2955,
0.3865

■ 30.4994, 0.2732,
0.4544

■ 30.4994, 0.2732,
0.4544

■ 29.9466, 0.2726,
0.4756

■ 31.2382, 0.2757,
0.4331

■ 29.5571, 0.2738,
0.4961

■ 32.1756, 0.2797,
0.4123

■ 29.2935, 0.2766,
0.5153

■ 33.3273, 0.2850,
0.3925

■ 29.2805, 0.2767,
0.5163

■ 34.7065, 0.2913,
0.3741

■ 36.3250, 0.2983,
0.3572

■ 38.1941, 0.3056,
0.3420

■ 40.3241, 0.3131,
0.3283

■ 42.7249, 0.3206,
0.3162

■ 45.4058, 0.3280,
0.3055

Harmonies

Analogous

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



30.4994, 0.3539, 0.4885



30.4994, 0.2732, 0.4544



30.4994, 0.2078, 0.3671

Triad

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



30.4994, 0.2732, 0.4544



30.4994, 0.1972, 0.2024



30.4994, 0.4758, 0.3439

Complementary

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



30.4994, 0.2732, 0.4544



12.2785, 0.4091, 0.2391

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.



30.4994, 0.4223, 0.2856



30.4994, 0.2732, 0.4544



30.4994, 0.2540, 0.2084

Square

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



30.4994, 0.2732, 0.4544



30.4994, 0.1702, 0.2241



30.4994, 0.3363, 0.2378



30.4994, 0.4752, 0.4057

Rectangle

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



30.4994, 0.2732, 0.4544



30.4994, 0.1809, 0.3058



30.4994, 0.3363, 0.2378



30.4994, 0.4636, 0.3238

Sweetspot

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



30.5006, 0.2732, 0.4544



65.3019, 0.2969, 0.3603



32.9105, 0.3534, 0.5151



14.3828, 0.2950, 0.3648



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.5006, 0.2732, 0.4544



53.9372, 0.2730, 0.4861



32.0943, 0.2383, 0.3426



8.4617, 0.3058, 0.3417



21.5474, 0.2762, 0.5143



0.5346, 0.2579, 0.4484

Inverse Universe

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



12.2785, 0.4091, 0.2391



18.7406, 0.4408, 0.2332



11.3198, 0.5261, 0.3199



7.6088, 0.3203, 0.3166



6.8870, 0.4713, 0.2370



0.1777, 0.4096, 0.2030

Previews

White Background



This preview shows how the Yxy color 30.4994, 0.2732, 0.4544 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 30.4994, 0.2732, 0.4544 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 30.4994, 0.2732, 0.4544

Background



This preview shows how black text looks on a background with the Yxy color 30.4994, 0.2732, 0.4544.



This preview shows how white text looks on a background with the Yxy color 30.4994, 0.2732, 0.4544.

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

30.4994, 0.2732, 0.4544

Protanopia

30.0208, 0.3793, 0.4102

Deuteranopia

30.0227, 0.3832, 0.3760



Tritanopia

30.5555, 0.2391, 0.3069

Trichromacy



Original Color

30.4994, 0.2732, 0.4544



Protanomaly

29.1524, 0.3297, 0.4303



Deuteranomaly

28.7119, 0.3312, 0.4044



Tritanomaly

30.3775, 0.2508, 0.3558

Monochromacy



Original Color

30.4994, 0.2732, 0.4544



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.6862, 0.2915, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4994, 0.2732, 0.4544 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(52, 170, 105)` looks like.

```
.text, #text, p{  
  color:rgb(52, 170, 105)  
}
```

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(52, 170, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 170, 105) }
```

Border

The CSS property to change the border of an element to Yxy 30.4994, 0.2732, 0.4544 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(52, 170, 105) }
```

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

```
.border{ border-color:rgb(52, 170, 105) }
```

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

Here you see how a box with a 4 pixel rgb(52, 170, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 170, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 170, 105);  
box-shadow:4px 4px 4px 4px rgb(52, 170,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4994, 0.2732, 0.4544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 170, 105) }
```

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

```
.background{ background-color: rgb(52, 170,  
105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor