

Converting Colors

$Y_{xy}(28.9940, 0.3052, 0.4538)$

Have a look what the booklet for
Yxy(28.9940, 0.3052, 0.4538)
contains.

Yxy(28.9940, 0.3052, 0.4538)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(28.9940, 0.3052, 0.4538)$

Conversions

Conversions Part 1

Format	Color
Hex	5DA25F
RGB	93, 162, 95
RGB Percent	36%, 64%, 37%
CMY	0.6353, 0.3647, 0.6274
CMYK	0.43, 0.00, 0.41, 0.36
HSL	122°, 27%, 50%
HSV	122°, 43%, 64%
XYZ	19.4997, 28.9940, 15.3979
YIQ	133.7310, -19.6170, -35.4650

Conversions

Conversions Part 2

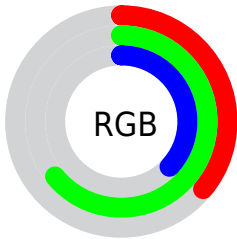
Format	Color
R_{YB}	93, 160, 162
Decimal	6136415
CIE _{Lab}	60.78, -36.04, 28.17
CIE _{LCh}	61, 45.744, 141.982
Yxy	28.9940, 0.3052, 0.4538
Android (android.graphics.Color)	4284326495 (0xFF5DA25F)
YUV	133.7310, -19.0944, -35.7211
Hunter-Lab	53.8461, -29.5890, 20.7376

Details

The Yxy color **28.9940, 0.3052, 0.4538** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.0462, 0.3200, 0.2296**, and the grayscale version is **23.8131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9041, 0.3089, 0.4255**, and **11.7884, 0.2971, 0.5056** is the 20% darker color. If you saturate the color by 10%, you get **27.9799, 0.3034, 0.4883**, and if you desaturate by 10%, it is **30.2474, 0.3071, 0.4202**.

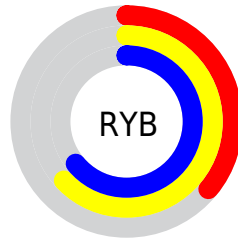
Distribution



Red (36%)

Green (64%)

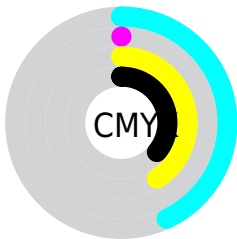
Blue (37%)



Red (36%)

Yellow (63%)

Blue (64%)

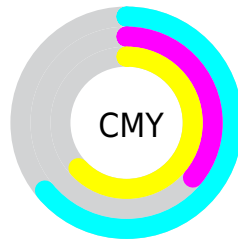


Cyan (43%)

Magenta (0%)

Yellow (41%)

Black (36%)



Cyan (64%)

Magenta (36%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9940, 0.3052, 0.4538 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 28.9940, 0.3052, 0.4538 by changing the saturation by 10% instead.

 28.9940, 0.3052,
0.4538


 28.9940, 0.3052,
0.4538

297.1867, 0.3117,
0.3826

 19.0763, 0.3022,
0.4750


 58.0676, 0.3084,
0.4255


 11.7254, 0.2973,
0.5044


 77.9922, 0.3094,
0.4157

 6.5570, 0.2883,
0.5475


 102.0212, 0.3100,
0.4076

 3.1866, 0.2730,
0.6226

 130.5391, 0.3105,
0.4009

 1.2299, 0.1713,
0.8287

163.9302, 0.3109,
0.3953

 0.0859, 0.0000,
1.0000

202.5789, 0.3112,

 0.0000, 0.0000,

0.3904

0.0000

246.8696, 0.3115,
0.3863

■ 28.9940, 0.3052,
0.4538

■ 28.9940, 0.3052,
0.4538

■ 27.9799, 0.3034,
0.4883

■ 30.2474, 0.3071,
0.4202

■ 27.1864, 0.3018,
0.5216

■ 31.7499, 0.3089,
0.3887

■ 26.5983, 0.3006,
0.5512


■ 33.5155, 0.3107,
0.3603

■ 26.1965, 0.2999,
0.5748

■ 35.5558, 0.3123,
0.3350

■ 25.9588, 0.2996,
0.5906

■ 37.8819, 0.3138,
0.3130

 25.8525, 0.2994,
0.5978

 40.5042, 0.3151,
0.2939

 43.4325, 0.3163,
0.2775

 46.6763, 0.3174,
0.2633

 50.2447, 0.3183,
0.2512

Harmonies

Analogous

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



28.9940, 0.3766, 0.4647



28.9940, 0.3052, 0.4538



28.9940, 0.2397, 0.3922

Triad

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



28.9940, 0.3052, 0.4538



28.9940, 0.1979, 0.2208



28.9940, 0.4426, 0.3243

Complementary

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



28.9940, 0.3052, 0.4538



18.0462, 0.3200, 0.2296

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.



28.9940, 0.3826, 0.2739



28.9940, 0.3052, 0.4538



28.9940, 0.2397, 0.2168

Square

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



28.9940, 0.3052, 0.4538



28.9940, 0.1833, 0.2519



28.9940, 0.3058, 0.2359



28.9940, 0.4611, 0.3796

Rectangle

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



28.9940, 0.3052, 0.4538



28.9940, 0.2080, 0.3384



28.9940, 0.3058, 0.2359



28.9940, 0.4264, 0.3066

Sweetspot

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



28.9952, 0.3052, 0.4538



60.6196, 0.3106, 0.3620



34.1941, 0.3735, 0.4320



13.4543, 0.3102, 0.3678



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.9952, 0.3052, 0.4538



50.8967, 0.3035, 0.4861



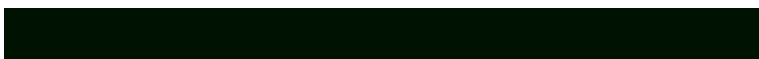
29.7444, 0.2798, 0.3894



7.8982, 0.3112, 0.3515



20.3673, 0.2993, 0.5975



0.4289, 0.2961, 0.5859

Inverse Universe

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



18.0462, 0.3200, 0.2296



28.3652, 0.3217, 0.2102



17.0242, 0.3671, 0.2765



7.1986, 0.3142, 0.3075



7.9773, 0.3282, 0.1582



0.1687, 0.3254, 0.1566

Previews

White Background



This preview shows how the Yxy color 28.9940, 0.3052, 0.4538 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9940, 0.3052, 0.4538 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.9940, 0.3052, 0.4538

Background



This preview shows how black text looks on a background with the Yxy color 28.9940, 0.3052, 0.4538.



This preview shows how white text looks on a background with the Yxy color 28.9940, 0.3052, 0.4538.

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

28.9940, 0.3052, 0.4538

Protanopia

28.6500, 0.3844, 0.4175

Deuteranopia

28.6749, 0.3944, 0.3882



Tritanopia

28.9902, 0.2610, 0.3088

Trichromacy



Original Color

28.9940, 0.3052, 0.4538

Protanomaly

28.3627, 0.3521, 0.4322

Deuteranomaly

28.0814, 0.3586, 0.4115

Tritanomaly

28.8322, 0.2773, 0.3590

Monochromacy



Original Color

28.9940, 0.3052, 0.4538

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.2245, 0.3096, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9940, 0.3052, 0.4538 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(93, 162, 95)` looks like.

```
.text, #text, p{  
    color:rgb(93, 162, 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(93, 162, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 162, 95) }
```

Border

The CSS property to change the border of an element to Yxy 28.9940, 0.3052, 0.4538 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(93, 162, 95) }
```

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

```
.border{ border-color:rgb(93, 162, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 162, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 162, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 162, 95);  
box-shadow:4px 4px 4px 4px rgb(93, 162,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9940, 0.3052, 0.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 162, 95) }
```

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

```
.background{ background-color: rgb(93, 162,  
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](#).

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