

Converting Colors

$Yxy(28.5371, 0.3023, 0.5494)$

Have a look what the booklet for
 $Y_{xy}(28.5371, 0.3023, 0.5494)$
contains.

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Color

Yxy(28.5458, 0.3024, 0.5494)

Conversions

Conversions Part 1

Format	Color
Hex	32A732
RGB	50, 167, 50
RGB Percent	20%, 65%, 20%
CMY	0.8037, 0.3451, 0.8039
CMYK	0.70, 0.00, 0.70, 0.35
HSL	120°, 54%, 43%
HSV	120°, 70%, 65%
XYZ	15.7121, 28.5458, 7.7002
YIQ	118.6790, -32.1750, -61.1910

Conversions

Conversions Part 2

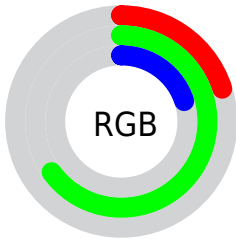
Format	Color
RYB	50, 167, 167
Decimal	3319602
CIELab	60.38, -54.81, 48.98
CIElCh	60, 73.504, 138.213
Yxy	28.5458, 0.3024, 0.5494
Android (android.graphics.Color)	4281509682 (0xFF32A732)
YUV	118.6790, -33.8587, -60.2315
Hunter-Lab	53.4283, -41.0063, 28.8548

Details

The Yxy color **28.5458, 0.3024, 0.5494** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **13.2821, 0.3198, 0.1767**, and the grayscale version is **18.4637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2653, 0.3102, 0.4983**, and **12.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.0779, 0.3012, 0.5740**, and if you desaturate by 10%, it is **29.2233, 0.3038, 0.5186**.

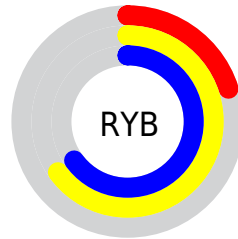
Distribution



Red (20%)

Green (65%)

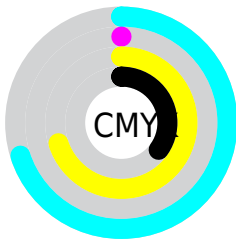
Blue (20%)



Red (20%)

Yellow (65%)

Blue (65%)

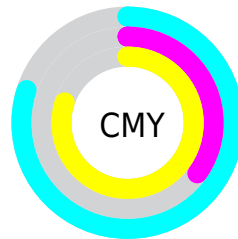


Cyan (70%)

Magenta (0%)

Yellow (70%)

Black (35%)



Cyan (80%)


Magenta (35%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5458, 0.3024, 0.5494 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 28.5458, 0.3024, 0.5494 by changing the saturation by 10% instead.


 28.5458, 0.3024,
0.5494


 28.5458, 0.3024,
0.5494


295.0658, 0.3160,
0.4220

 18.7375, 0.2944,
0.5862


 57.3547, 0.3103,
0.4991


 11.4808, 0.2804,
0.6351


 77.1240, 0.3123,
0.4813

 6.3912, 0.2595,
0.7140


 100.9825, 0.3136,
0.4669

 3.0844, 0.2073,
0.7927

 129.3145, 0.3145,
0.4548

 1.1759, 0.0000,
1.0000

 162.5045, 0.3151,
0.4447

 0.0419, 0.0000,
1.0000

 200.9368, 0.3155,

 0.0000, 0.0000,

0.4360

0.0000

244.9957, 0.3158,
0.4285

■ 28.5458, 0.3024,
0.5494

■ 28.5458, 0.3024,
0.5494

■ 28.0779, 0.3012,
0.5740

■ 29.2233, 0.3038,
0.5186

■ 27.7924, 0.3005,
0.5905

■ 30.1272, 0.3055,
0.4843

■ 27.6374, 0.3000,
0.6000

■ 31.2765, 0.3071,
0.4490

■ 32.6871, 0.3087,
0.4147

■ 34.3739, 0.3102,
0.3830

■ 36.3504, 0.3115,
0.3543

■ 38.6294, 0.3127,
0.3291

■ 41.2227, 0.3137,
0.3072

■ 44.1417, 0.3146,
0.2883

Harmonies

Analogous

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



28.5458, 0.4074, 0.5325



28.5458, 0.3024, 0.5494



28.5458, 0.2052, 0.4523

Triad

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



28.5458, 0.3024, 0.5494



28.5458, 0.1412, 0.1709



28.5458, 0.5121, 0.3026

Complementary

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



28.5458, 0.3024, 0.5494



13.2821, 0.3198, 0.1767

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.



28.5458, 0.4070, 0.2367



28.5458, 0.3024, 0.5494



28.5458, 0.1919, 0.1649

Square

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



28.5458, 0.3024, 0.5494



28.5458, 0.1253, 0.2137



28.5458, 0.2836, 0.1880



28.5458, 0.5422, 0.3763

Rectangle

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



28.5458, 0.3024, 0.5494



28.5458, 0.1593, 0.3546



28.5458, 0.2836, 0.1880



28.5458, 0.4834, 0.2794

Sweetspot

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



28.5470, 0.3024, 0.5494



61.1323, 0.3100, 0.3870



35.3736, 0.4072, 0.4805



13.4943, 0.3096, 0.3952



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.5470, 0.3024, 0.5494



49.9695, 0.3008, 0.5841



29.3675, 0.2706, 0.4473



8.4079, 0.3116, 0.3523



21.1489, 0.3000, 0.6000



0.5146, 0.3001, 0.5999

Inverse Universe

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



13.2821, 0.3198, 0.1767



20.8817, 0.3205, 0.1609



11.6332, 0.4182, 0.2443



7.6665, 0.3138, 0.3067



8.4157, 0.3208, 0.1541



0.2048, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 28.5458, 0.3024, 0.5494 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 28.5458, 0.3024, 0.5494 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 28.5458, 0.3024, 0.5494

Background



This preview shows how black text looks on a background with the Yxy color 28.5458, 0.3024, 0.5494.



This preview shows how white text looks on a background with the Yxy color 28.5458, 0.3024, 0.5494.

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

28.5458, 0.3024, 0.5494

Protanopia

28.1140, 0.4242, 0.4681

Deuteranopia

27.8013, 0.4409, 0.4324



Tritanopia

28.4353, 0.2428, 0.3064

Trichromacy



Original Color

28.5458, 0.3024, 0.5494



Protanomaly

27.0447, 0.3690, 0.5048



Deuteranomaly

26.3709, 0.3791, 0.4801



Tritanomaly

27.9501, 0.2658, 0.3939

Monochromacy



Original Color

28.5458, 0.3024, 0.5494



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

20.7962, 0.3086, 0.4157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5458, 0.3024, 0.5494 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(50, 167, 50)` looks like.

```
.text, #text, p{  
    color:rgb(50, 167, 50)  
}
```

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(50, 167, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 167, 50) }
```

Border

The CSS property to change the border of an element to Yxy 28.5458, 0.3024, 0.5494 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(50, 167, 50) }
```

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

```
.border{ border-color:rgb(50, 167, 50) }
```

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

Here you see how a box with a 4 pixel rgb(50, 167, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 167, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 167, 50);  
box-shadow:4px 4px 4px 4px rgb(50, 167,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5458, 0.3024, 0.5494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 167, 50) }
```

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

```
.background{ background-color: rgb(50, 167,  
50) }
```

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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