

Converting Colors

$Y_{xy}(24.5501, 0.3420, 0.5666)$

Have a look what the booklet for
Yxy(24.5501, 0.3420, 0.5666)
contains.

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Color

Yxy(24.5318, 0.3417, 0.5669)

Conversions

Conversions Part 1

Format	Color
Hex	519900
RGB	81, 153, 0
RGB Percent	32%, 60%, 0%
CMY	0.6822, 0.4000, 1.0000
CMYK	0.47, 0.00, 1.00, 0.40
HSL	88°, 100%, 30%
HSV	88°, 100%, 60%
XYZ	14.7866, 24.5318, 3.9552
YIQ	114.0300, 6.2010, -62.8470

Conversions

Conversions Part 2

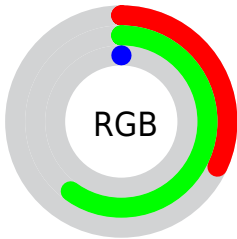
Format	Color
RYB	0, 153, 72
Decimal	5347584
CIELab	56.62, -44.09, 58.96
CIELCh	57, 73.624, 126.786
Yxy	24.5318, 0.3417, 0.5669
Android (android.graphics.Color)	4283537664 (0xFF519900)
YUV	114.0300, -56.2168, -28.9673
Hunter-Lab	49.5296, -33.3873, 29.9361

Details

The Yxy color **24.5318, 0.3417, 0.5669** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.6763, 0.1981, 0.0865**, and the grayscale version is **17.0102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8850, 0.3439, 0.5146**, and **9.4175, 0.3072, 0.5943** is the 20% darker color. If you saturate the color by 10%, you get **24.5329, 0.3417, 0.5669**, and if you desaturate by 10%, it is **24.9034, 0.3459, 0.5549**.

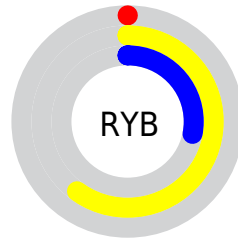
Distribution



Red (32%)

Green (60%)

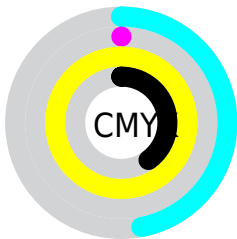
Blue (0%)



Red (0%)

Yellow (60%)

Blue (28%)

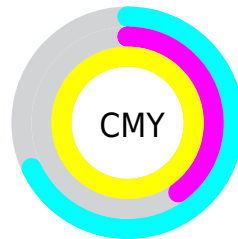


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (68%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5318, 0.3417, 0.5669 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 24.5318, 0.3417, 0.5669 by changing the saturation by 10% instead.


 24.5318, 0.3417,
0.5669


 24.5318, 0.3417,
0.5669

275.4982, 0.3374,
0.4313


 15.7286, 0.3356,
0.6030


 50.8966, 0.3445,
0.5149


 9.3323, 0.3252,
0.6544


 69.2270, 0.3440,
0.4959


 4.9586, 0.2944,
0.7056

 91.5020, 0.3431,
0.4803

 2.2230, 0.2322,
0.7678

 118.1058, 0.3420,
0.4673

 0.7325, 0.0000,
1.0000


 149.4230, 0.3408,
0.4562


 0.0000, 0.0000,
0.0000


 185.8378, 0.3396,

0.4467

 227.7347, 0.3385,
0.4385


 24.5318, 0.3417,
0.5669


 24.5318, 0.3417,
0.5669


 24.5329, 0.3417,
0.5669

 24.9034, 0.3459,
0.5549

 25.3347, 0.3487,
0.5387

 25.8399, 0.3492,
0.5177

 26.4246, 0.3477,
0.4927

 27.0939, 0.3442,
0.4652

■ 27.8522, 0.3393,
0.4364

■ 28.7037, 0.3333,
0.4076

■ 29.6522, 0.3267,
0.3797

■ 30.7013, 0.3197,
0.3534

Harmonies

Analogous

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



24.5318, 0.4475, 0.5123



24.5318, 0.3417, 0.5669



24.5318, 0.2346, 0.5125

Triad

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



24.5318, 0.3417, 0.5669



24.5318, 0.1248, 0.1757



24.5318, 0.4873, 0.2731

Complementary

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



24.5318, 0.3417, 0.5669



3.6763, 0.1981, 0.0865

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.



24.5318, 0.3603, 0.2108



24.5318, 0.3417, 0.5669



24.5318, 0.1623, 0.1573

Square

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



24.5318, 0.3417, 0.5669



24.5318, 0.1210, 0.2381



24.5318, 0.2402, 0.1702



24.5318, 0.5517, 0.3459

Rectangle

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



24.5318, 0.3417, 0.5669



24.5318, 0.1766, 0.4149



24.5318, 0.2402, 0.1702



24.5318, 0.4486, 0.2506

Sweetspot

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



24.5329, 0.3417, 0.5669



51.3108, 0.3337, 0.4093



11.3297, 0.5482, 0.4029



11.1967, 0.3361, 0.4203



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.5329, 0.3417, 0.5669



43.8249, 0.3404, 0.5679



22.8150, 0.3009, 0.5993



7.0785, 0.3192, 0.3515



20.2963, 0.3422, 0.5665



0.3251, 0.3747, 0.5407

Inverse Universe

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



3.6763, 0.1981, 0.0865



6.4752, 0.1962, 0.0854



8.5863, 0.3127, 0.1496



6.1616, 0.3058, 0.3065



3.0580, 0.1989, 0.0869



0.0671, 0.2473, 0.1136

Previews

White Background



This preview shows how the Yxy color 24.5318, 0.3417, 0.5669 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 24.5318, 0.3417, 0.5669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

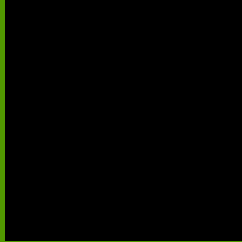
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5318, 0.3417, 0.5669

Background



This preview shows how black text looks on a background with the Yxy color 24.5318, 0.3417, 0.5669.



This preview shows how white text looks on a background with the Yxy color 24.5318, 0.3417, 0.5669.

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

24.5318, 0.3417, 0.5669

Protanopia

24.3806, 0.4400, 0.4889

Deuteranopia

24.0833, 0.4607, 0.4520



Tritanopia

24.3884, 0.2617, 0.3074

Trichromacy



Original Color

24.5318, 0.3417, 0.5669

Protanomaly

23.8580, 0.4013, 0.5196

Deuteranomaly

23.3451, 0.4157, 0.4963

Tritanomaly

23.7668, 0.3035, 0.4243

Monochromacy



Original Color

24.5318, 0.3417, 0.5669

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.7442, 0.3404, 0.4430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5318, 0.3417, 0.5669 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, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(81, 153, 0)  
}
```

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, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.5318, 0.3417, 0.5669 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, 153, 0) }
```

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

```
.border{ border-color:rgb(81, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(81, 153, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.5318, 0.3417, 0.5669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 153, 0) }
```

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

```
.background{ background-color: rgb(81, 153,  
0) }
```

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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