

Converting Colors

$Y_{xy}(24.0027, 0.3302, 0.5760)$

Have a look what the booklet for
Yxy(24.0027, 0.3302, 0.5760)
contains.

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Color

Yxy(24.0114, 0.3304, 0.5759)

Conversions

Conversions Part 1

Format	Color
Hex	449900
RGB	68, 153, 0
RGB Percent	27%, 60%, 0%
CMY	0.7333, 0.4000, 1.0000
CMYK	0.56, 0.00, 1.00, 0.40
HSL	93°, 100%, 30%
HSV	93°, 100%, 60%
XYZ	13.7756, 24.0114, 3.9067
YIQ	110.1430, -1.5470, -65.6030

Conversions

Conversions Part 2

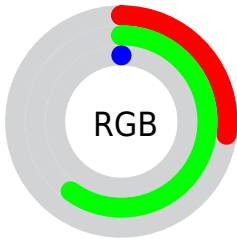
Format	Color
RYB	0, 153, 85
Decimal	4495616
CIELab	56.10, -48.13, 58.34
CIElCh	56, 75.636, 129.522
Yxy	24.0114, 0.3304, 0.5759
Android (android.graphics.Color)	4282685696 (0xFF449900)
YUV	110.1430, -54.3005, -36.9594
Hunter-Lab	49.0014, -35.5714, 29.5740

Details

The Yxy color **24.0114, 0.3304, 0.5759** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.2307, 0.2149, 0.0958**, and the grayscale version is **15.7972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9896, 0.3361, 0.5207**, and **9.3074, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **24.0125, 0.3304, 0.5759**, and if you desaturate by 10%, it is **24.3760, 0.3350, 0.5632**.

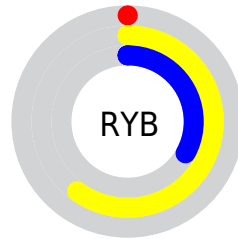
Distribution



Red (27%)

Green (60%)

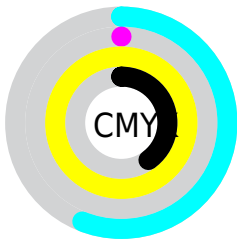
Blue (0%)



Red (0%)

Yellow (60%)

Blue (33%)

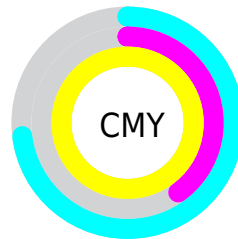


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (73%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0114, 0.3304, 0.5759 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 24.0114, 0.3304, 0.5759 by changing the saturation by 10% instead.


 24.0114, 0.3304,
0.5759


 24.0114, 0.3304,
0.5759


272.8781, 0.3326,
0.4335


 15.3421, 0.3223,
0.6146


 50.0488, 0.3358,
0.5207

 9.0598, 0.3091,
0.6707


 68.1857, 0.3363,
0.5008

 4.7802, 0.2738,
0.7262

 90.2472, 0.3361,
0.4844

 2.1189, 0.1968,
0.8032

 116.6177, 0.3356,
0.4708

 0.6752, 0.0000,
1.0000


 147.6817, 0.3349,
0.4593


 0.0000, 0.0000,
0.0000


 183.8235, 0.3342,

0.4494


 225.4275, 0.3334,
0.4409


 24.0114, 0.3304,
0.5759

 24.0114, 0.3304,
0.5759


 24.0125, 0.3304,
0.5759

 24.3760, 0.3350,
0.5632

 24.8118, 0.3385,
0.5460

 25.3334, 0.3400,
0.5236

 25.9475, 0.3396,
0.4972

 26.6596, 0.3374,
0.4683

■ 27.4747, 0.3338,
0.4383

■ 28.3977, 0.3292,
0.4087

■ 29.4328, 0.3240,
0.3802

■ 30.5841, 0.3184,
0.3535

Harmonies

Analogous

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



24.0114, 0.4399, 0.5236



24.0114, 0.3304, 0.5759



24.0114, 0.2222, 0.5080

Triad

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



24.0114, 0.3304, 0.5759



24.0114, 0.1225, 0.1683



24.0114, 0.5028, 0.2774

Complementary

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



24.0114, 0.3304, 0.5759



4.2307, 0.2149, 0.0958

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.



24.0114, 0.3743, 0.2126



24.0114, 0.3304, 0.5759



24.0114, 0.1638, 0.1531

Square

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



24.0114, 0.3304, 0.5759



24.0114, 0.1153, 0.2265



24.0114, 0.2474, 0.1690



24.0114, 0.5601, 0.3517

Rectangle

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



24.0114, 0.3304, 0.5759



24.0114, 0.1657, 0.4026



24.0114, 0.2474, 0.1690



24.0114, 0.4646, 0.2543

Sweetspot

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



24.0125, 0.3304, 0.5759



50.7522, 0.3295, 0.4104



13.1366, 0.5242, 0.4220



11.0619, 0.3314, 0.4217



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.



24.0125, 0.3304, 0.5759



42.8960, 0.3290, 0.5769



22.7998, 0.2989, 0.5961



7.0532, 0.3180, 0.3515



19.8647, 0.3309, 0.5755



0.3181, 0.3650, 0.5484

Inverse Universe

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



4.2307, 0.2149, 0.0958



7.4649, 0.2131, 0.0948



8.8277, 0.3336, 0.1612



6.1869, 0.3070, 0.3066



3.5165, 0.2156, 0.0961



0.0741, 0.2609, 0.1211

Previews

White Background



This preview shows how the Yxy color 24.0114, 0.3304, 0.5759 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 24.0114, 0.3304, 0.5759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

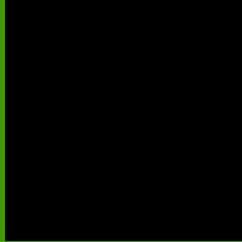
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0114, 0.3304, 0.5759

Background



This preview shows how black text looks on a background with the Yxy color 24.0114, 0.3304, 0.5759.



This preview shows how white text looks on a background with the Yxy color 24.0114, 0.3304, 0.5759.

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

24.0114, 0.3304, 0.5759

Protanopia

23.6295, 0.4402, 0.4887

Deuteranopia

23.6079, 0.4592, 0.4517



Tritanopia

23.9032, 0.2545, 0.3070

Trichromacy



Original Color

24.0114, 0.3304, 0.5759

Protanomaly

23.1147, 0.3951, 0.5245

Deuteranomaly

22.5644, 0.4094, 0.5008

Tritanomaly

23.2786, 0.2943, 0.4269

Monochromacy



Original Color

24.0114, 0.3304, 0.5759

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

17.7968, 0.3354, 0.4493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0114, 0.3304, 0.5759 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(68, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 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(68, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.0114, 0.3304, 0.5759 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(68, 153, 0) }
```

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

```
.border{ border-color:rgb(68, 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(68, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 153, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.0114, 0.3304, 0.5759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 153, 0) }
```

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

```
.background{ background-color: rgb(68, 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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