

Converting Colors

$Y_{xy}(25.7596, 0.3330, 0.5738)$

Have a look what the booklet for
Yxy(25.7596, 0.3330, 0.5738)
contains.

Yxy(25.9096, 0.3332, 0.5736)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.9096, 0.3332, 0.5736)

Conversions

Conversions Part 1

Format	Color
Hex	4A9E00
RGB	74, 158, 0
RGB Percent	29%, 62%, 0%
CMY	0.7098, 0.3804, 0.9997
CMYK	0.53, 0.00, 1.00, 0.38
HSL	92°, 100%, 31%
HSV	92°, 100%, 62%
XYZ	15.0507, 25.9096, 4.2099
YIQ	114.8720, 0.6540, -66.9460

Conversions

Conversions Part 2

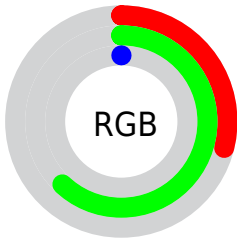
Format	Color
RYB	0, 158, 84
Decimal	4890112
CIELab	57.95, -48.25, 59.87
CIELCh	58, 76.895, 128.864
Yxy	25.9096, 0.3332, 0.5736
Android (android.graphics.Color)	4283080192 (0xFF4A9E00)
YUV	114.8720, -56.6319, -35.8447
Hunter-Lab	50.9015, -36.2982, 30.7274

Details

The Yxy color **25.9096, 0.3332, 0.5736** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.3600, 0.2099, 0.0930**, and the grayscale version is **17.2812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9619, 0.3381, 0.5193**, and **10.3081, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **25.9087, 0.3332, 0.5737**, and if you desaturate by 10%, it is **26.3038, 0.3379, 0.5612**.

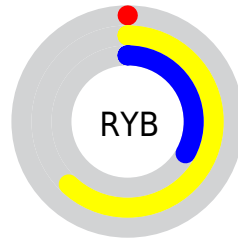
Distribution



Red (29%)

Green (62%)

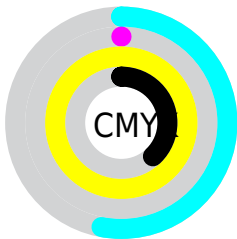
Blue (0%)



Red (0%)

Yellow (62%)

Blue (33%)

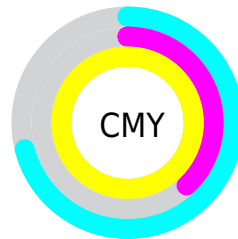


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (71%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.9096, 0.3332, 0.5736 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 25.9096, 0.3332, 0.5736 by changing the saturation by 10% instead.

 25.9096, 0.3332,
0.5736


 25.9096, 0.3332,
0.5736


282.3380, 0.3340,
0.4344

 16.7560, 0.3259,
0.6107


 53.1291, 0.3379,
0.5202


 10.0607, 0.3130,
0.6615


 71.9638, 0.3382,
0.5008


 5.4392, 0.2824,
0.7176

 94.7943, 0.3379,
0.4848

 2.5072, 0.2209,
0.7791

 122.0050, 0.3372,
0.4713

 0.8802, 0.0000,
1.0000


 153.9804, 0.3365,
0.4600


 0.0000, 0.0000,
0.0000


 191.1047, 0.3356,

0.4502


 233.7625, 0.3348,
0.4418

 25.9096, 0.3332,
0.5736


 25.9096, 0.3332,
0.5736


 25.9087, 0.3332,
0.5737

 26.3038, 0.3379,
0.5612

 26.7717, 0.3412,
0.5444

 27.3286, 0.3425,
0.5223

 27.9811, 0.3418,
0.4963

 28.7352, 0.3393,
0.4677

■ 29.5961, 0.3354,
0.4380

■ 30.5687, 0.3304,
0.4085

■ 31.6576, 0.3247,
0.3801

■ 32.8670, 0.3188,
0.3534

Harmonies

Analogous

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



25.9096, 0.4418, 0.5208



25.9096, 0.3332, 0.5736



25.9096, 0.2252, 0.5091

Triad

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



25.9096, 0.3332, 0.5736



25.9096, 0.1231, 0.1702



25.9096, 0.4989, 0.2764

Complementary

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



25.9096, 0.3332, 0.5736



4.3600, 0.2099, 0.0930

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.



25.9096, 0.3708, 0.2122



25.9096, 0.3332, 0.5736



25.9096, 0.1635, 0.1542

Square

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



25.9096, 0.3332, 0.5736



25.9096, 0.1168, 0.2293



25.9096, 0.2456, 0.1693



25.9096, 0.5581, 0.3503

Rectangle

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



25.9096, 0.3332, 0.5736



25.9096, 0.1684, 0.4056



25.9096, 0.2456, 0.1693



25.9096, 0.4606, 0.2534

Sweetspot

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



25.9107, 0.3332, 0.5736



55.3905, 0.3307, 0.4103



13.2556, 0.5340, 0.4141



12.3251, 0.3328, 0.4220



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



25.9107, 0.3332, 0.5736



46.9309, 0.3318, 0.5747



24.4616, 0.2996, 0.5987



7.5456, 0.3183, 0.3516



20.7722, 0.3338, 0.5732



0.3964, 0.3658, 0.5477

Inverse Universe

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



4.3600, 0.2099, 0.0930



7.7907, 0.2080, 0.0919



9.6504, 0.3251, 0.1565



6.6002, 0.3067, 0.3065



3.5124, 0.2107, 0.0934



0.0879, 0.2543, 0.1174

Previews

White Background



This preview shows how the Yxy color 25.9096, 0.3332, 0.5736 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 25.9096, 0.3332, 0.5736 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 25.9096, 0.3332, 0.5736

Background



This preview shows how black text looks on a background with the Yxy color 25.9096, 0.3332, 0.5736.



This preview shows how white text looks on a background with the Yxy color 25.9096, 0.3332, 0.5736.

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

25.9096, 0.3332, 0.5736

Protanopia

25.5332, 0.4396, 0.4892

Deuteranopia

25.3411, 0.4603, 0.4513



Tritanopia

25.8574, 0.2560, 0.3077

Trichromacy



Original Color

25.9096, 0.3332, 0.5736

Protanomaly

24.9934, 0.3958, 0.5239

Deuteranomaly

24.5072, 0.4108, 0.4999

Tritanomaly

25.1475, 0.2964, 0.4274

Monochromacy



Original Color

25.9096, 0.3332, 0.5736

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

19.4230, 0.3367, 0.4488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9096, 0.3332, 0.5736 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(74, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(74, 158, 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(74, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.9096, 0.3332, 0.5736 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(74, 158, 0) }
```

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

```
.border{ border-color:rgb(74, 158, 0) }
```

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

Here you see how a box with a 4 pixel rgb(74, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(74, 158, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.9096, 0.3332, 0.5736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 158, 0) }
```

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

```
.background{ background-color: rgb(74, 158,  
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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