

# Converting Colors

$Y_{xy}(25.0220, 0.3102, 0.5593)$

Have a look what the booklet for  
Yxy(25.0220, 0.3102, 0.5593)  
contains.

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**Color**

**Yxy(25.0044, 0.3100, 0.5593)**

# Conversions

## Conversions Part 1

Format	Color
Hex	359D25
RGB	53, 157, 37
RGB Percent	21%, 62%, 15%
CMY	0.7921, 0.3843, 0.8550
CMYK	0.66, 0.00, 0.76, 0.38
HSL	112°, 62%, 38%
HSV	112°, 76%, 62%
XYZ	13.8590, 25.0044, 5.8432
YIQ	112.2240, -23.4640, -59.3680

# Conversions

## Conversions Part 2

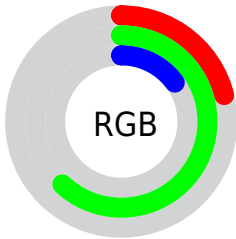
Format	Color
<b>R<sub>YB</sub></b>	37, 157, 141
Decimal	3513637
CIE <sub>Lab</sub>	57.08, -51.83, 50.56
CIE <sub>LCh</sub>	57, 72.407, 135.710
Yxy	25.0044, 0.3100, 0.5593
Android (android.graphics.Color)	4281703717 (0xFF359D25)
YUV	112.2240, -37.0854, -51.9394
Hunter-Lab	50.0044, -38.0353, 28.0749

# Details

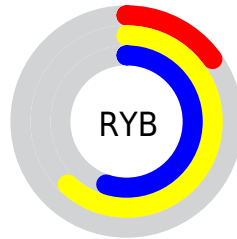
The Yxy color **25.0044, 0.3100, 0.5593** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.4149, 0.2958, 0.1571**, and the grayscale version is **16.3891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8545, 0.3169, 0.5057**, and **9.9006, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **24.6094, 0.3074, 0.5798**, and if you desaturate by 10%, it is **25.5486, 0.3121, 0.5323**.

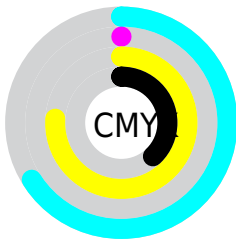
# Distribution



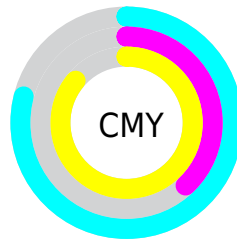
- Red (21%)
- Green (62%)
- Blue (15%)



- Red (15%)
- Yellow (62%)
- Blue (55%)



- Cyan (66%)
- Magenta (0%)
- Yellow (76%)
- Black (38%)




- Cyan (79%)
- Magenta (38%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0044, 0.3100, 0.5593 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 25.0044, 0.3100, 0.5593 by changing the saturation by 10% instead.




 25.0044, 0.3100,  
0.5593


 25.0044, 0.3100,  
0.5593


277.8599, 0.3206,  
0.4244


 16.0803, 0.3016,  
0.5985


 51.6644, 0.3174,  
0.5057


 9.5810, 0.2861,  
0.6505


 70.1690, 0.3190,  
0.4869


 5.1221, 0.2626,  
0.7374

 92.6361, 0.3199,  
0.4715

 2.3191, 0.1866,  
0.8134

 119.4498, 0.3204,  
0.4588

 0.7838, 0.0000,  
1.0000

 150.9946, 0.3206,  
0.4481

 0.0000, 0.0000,  
0.0000

 187.6550, 0.3207,

0.4391

229.8153, 0.3207,  
0.4312

■ 25.0044, 0.3100,  
0.5593

■ 25.0044, 0.3100,  
0.5593

■ 24.6094, 0.3074,  
0.5798

■ 25.5486, 0.3121,  
0.5323

■ 24.3442, 0.3047,  
0.5930

■ 26.2516, 0.3136,  
0.5008

■ 24.2742, 0.3040,  
0.5968

■ 27.1261, 0.3145,  
0.4672

■ 28.1824, 0.3148,  
0.4336

■ 29.4300, 0.3146,  
0.4014

■ 30.8779, 0.3141,  
0.3716

■ 32.5343, 0.3133,  
0.3447

■ 34.4071, 0.3124,  
0.3209

■ 36.5038, 0.3114,  
0.2999

# Harmonies

## Analogous

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



25.0044, 0.4167, 0.5316



25.0044, 0.3100, 0.5593



25.0044, 0.2091, 0.4685

# Triad

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



25.0044, 0.3100, 0.5593



25.0044, 0.1351, 0.1693



25.0044, 0.5112, 0.2953

# Complementary

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



25.0044, 0.3100, 0.5593



9.4149, 0.2958, 0.1571

# 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.



25.0044, 0.3987, 0.2294



25.0044, 0.3100, 0.5593



25.0044, 0.1832, 0.1608

# Square

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



25.0044, 0.3100, 0.5593



25.0044, 0.1216, 0.2163



25.0044, 0.2731, 0.1819



25.0044, 0.5487, 0.3693



# Rectangle

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



25.0044, 0.3100, 0.5593



25.0044, 0.1602, 0.3673



25.0044, 0.2731, 0.1819



25.0044, 0.4797, 0.2721

# Sweetspot

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



25.0054, 0.3100, 0.5593



53.4464, 0.3145, 0.3921



25.7663, 0.4289, 0.4709



11.5781, 0.3146, 0.4025



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290



# Same Dimension

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



25.0054, 0.3100, 0.5593



43.7038, 0.3054, 0.5900



25.0719, 0.2802, 0.4937



7.4415, 0.3135, 0.3520



19.7242, 0.3043, 0.5966



0.3634, 0.3218, 0.5827



# Inverse Universe

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



9.4149, 0.2958, 0.1571



14.3136, 0.2899, 0.1399



9.7271, 0.3964, 0.2183



6.7096, 0.3117, 0.3068



6.2410, 0.2881, 0.1361



0.1229, 0.3022, 0.1438



# Previews

## White Background



This preview shows how the Yxy color 25.0044, 0.3100, 0.5593 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 25.0044, 0.3100, 0.5593 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 25.0044, 0.3100, 0.5593**

## **Background**



This preview shows how black text looks on a background with the Yxy color 25.0044, 0.3100, 0.5593.



This preview shows how white text looks on a background with the Yxy color 25.0044, 0.3100, 0.5593.

# 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

25.0044, 0.3100, 0.5593

### Protanopia

24.4849, 0.4302, 0.4744

### Deuteranopia

24.4683, 0.4480, 0.4388



## Tritanopia

24.7757, 0.2459, 0.3070

# Trichromacy



## Original Color

25.0044, 0.3100, 0.5593



## Protanomaly

23.8439, 0.3774, 0.5113



## Deuteranomaly

23.1667, 0.3877, 0.4866



## Tritanomaly

24.3672, 0.2727, 0.4017

# Monochromacy



## Original Color

25.0044, 0.3100, 0.5593



## Achromatopsia

16.2029, 0.3127, 0.3290



## Achromatomaly

18.3184, 0.3150, 0.4221

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.0044, 0.3100, 0.5593 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(53, 157, 37)` looks like.

```
.text, #text, p{  
    color:rgb(53, 157, 37)  
}
```

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(53, 157, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 157, 37) }
```

## Border

The CSS property to change the border of an element to Yxy 25.0044, 0.3100, 0.5593 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(53, 157, 37) }
```

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

```
.border{ border-color:rgb(53, 157, 37) }
```

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

Here you see how a box with a 4 pixel rgb(53, 157, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 157, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 157, 37);  
box-shadow:4px 4px 4px 4px rgb(53, 157,  
37) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.0044, 0.3100, 0.5593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 157, 37) }
```

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

```
.background{ background-color: rgb(53, 157,  
37) }
```

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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