

Converting Colors

$Y_{xy}(15.7303, 0.3012, 0.5990)$

Have a look what the booklet for
Yxy(15.7303, 0.3012, 0.5990)
contains.

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Color

Yxy(15.7328, 0.3013, 0.5990)

Conversions

Conversions Part 1

Format	Color
Hex	058100
RGB	5, 129, 0
RGB Percent	2%, 51%, 0%
CMY	0.9800, 0.4941, 1.0000
CMYK	0.96, 0.00, 1.00, 0.49
HSL	118°, 100%, 25%
HSV	118°, 100%, 51%
XYZ	7.9137, 15.7328, 2.6186
YIQ	77.2180, -32.4950, -66.4070

Conversions

Conversions Part 2

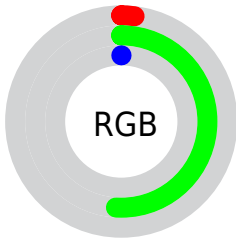
Format	Color
RYB	0, 129, 124
Decimal	360704
CIELab	46.62, -51.59, 50.24
CIElCh	47, 72.011, 135.761
Yxy	15.7328, 0.3013, 0.5990
Android (android.graphics.Color)	4278550784 (0xFF058100)
YUV	77.2180, -38.0685, -63.3352
Hunter-Lab	39.6646, -33.7996, 23.8509

Details

The Yxy color **15.7328, 0.3013, 0.5990** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.8623, 0.3113, 0.1489**, and the grayscale version is **7.5475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0761, 0.3142, 0.5291**, and **5.4488, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.7335, 0.3013, 0.5990**, and if you desaturate by 10%, it is **15.8532, 0.3021, 0.5867**.

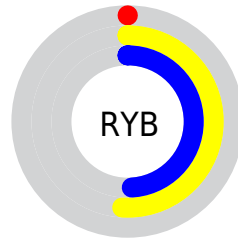
Distribution



Red (2%)

Green (51%)

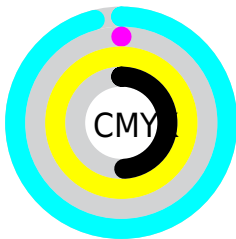
Blue (0%)



Red (0%)

Yellow (51%)

Blue (49%)

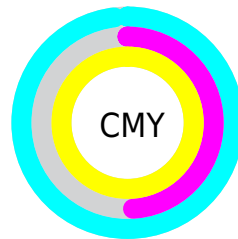


Cyan (96%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (98%)


Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7328, 0.3013, 0.5990 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 15.7328, 0.3013, 0.5990 by changing the saturation by 10% instead.


 15.7328, 0.3013,
0.5990


 15.7328, 0.3013,
0.5990


227.7598, 0.3206,
0.4309


 9.3353, 0.2855,
0.6515


 36.1337, 0.3145,
0.5292


 4.9605, 0.2612,
0.7388

 50.9059, 0.3172,
0.5055


 2.2241, 0.1804,
0.8196

 69.2384, 0.3188,
0.4866

 0.7331, 0.0000,
1.0000

 91.5156, 0.3197,
0.4713


 0.0000, 0.0000,
0.0000

 118.1220, 0.3203,
0.4585


 149.4419, 0.3205,


0.4478


 185.8597, 0.3206,
0.4387


 15.7328, 0.3013,
0.5990

 15.7328, 0.3013,
0.5990


 15.7335, 0.3013,
0.5990

 15.8532, 0.3021,
0.5867

 16.0485, 0.3035,
0.5686

 16.3431, 0.3051,
0.5432

 16.7477, 0.3066,
0.5126

 17.2716, 0.3081,
0.4791

■ 17.9234, 0.3094,
0.4449

■ 18.7105, 0.3105,
0.4119

■ 19.6402, 0.3114,
0.3813

■ 20.7189, 0.3122,
0.3536

Harmonies

Analogous

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



15.7328, 0.4196, 0.5532



15.7328, 0.3013, 0.5990



15.7328, 0.1914, 0.4942

Triad

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



15.7328, 0.3013, 0.5990



15.7328, 0.1169, 0.1507



15.7328, 0.5414, 0.2870

Complementary

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



15.7328, 0.3013, 0.5990



5.8623, 0.3113, 0.1489

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.



15.7328, 0.4108, 0.2168



15.7328, 0.3013, 0.5990



15.7328, 0.1677, 0.1430

Square

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



15.7328, 0.3013, 0.5990



15.7328, 0.1019, 0.1989



15.7328, 0.2663, 0.1658



15.7328, 0.5786, 0.3648

Rectangle

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



15.7328, 0.3013, 0.5990



15.7328, 0.1396, 0.3705



15.7328, 0.2663, 0.1658



15.7328, 0.5055, 0.2624

Sweetspot

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



15.7335, 0.3013, 0.5990



33.3990, 0.3105, 0.4142



18.7217, 0.4280, 0.4983



7.4427, 0.3101, 0.4256



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



15.7335, 0.3013, 0.5990



28.1591, 0.3009, 0.5993



16.0066, 0.2755, 0.5119



4.8262, 0.3122, 0.3512



15.3408, 0.3013, 0.5990



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.8623, 0.3113, 0.1489



10.4820, 0.3111, 0.1488



5.1214, 0.4692, 0.2358



4.4040, 0.3131, 0.3077



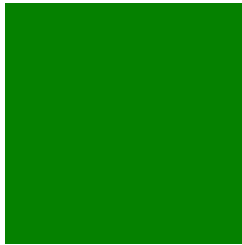
5.7162, 0.3114, 0.1489



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.7328, 0.3013, 0.5990 looks on a white 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

Black Background



This preview shows how the Yxy color 15.7328, 0.3013, 0.5990 looks on a black 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

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

Yxy 15.7328, 0.3013, 0.5990

Background



This preview shows how black text looks on a background with the Yxy color 15.7328, 0.3013, 0.5990.



This preview shows how white text looks on a background with the Yxy color 15.7328, 0.3013, 0.5990.

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

15.7328, 0.3013, 0.5990

Protanopia

15.4369, 0.4399, 0.4889

Deuteranopia

15.5903, 0.4548, 0.4504



Tritanopia

15.8289, 0.2376, 0.3066

Trichromacy



Original Color

15.7328, 0.3013, 0.5990

Protanomaly

14.4719, 0.3680, 0.5460

Deuteranomaly

14.2520, 0.3779, 0.5207

Tritanomaly

15.1655, 0.2666, 0.4314

Monochromacy



Original Color

15.7328, 0.3013, 0.5990

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

9.2913, 0.3087, 0.4699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7328, 0.3013, 0.5990 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(5, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(5, 129, 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(5, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 129, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.7328, 0.3013, 0.5990 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(5, 129, 0) }
```

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

```
.border{ border-color:rgb(5, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 129, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 129, 0); box-shadow:4px  
4px 4px 4px rgb(5, 129, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7328, 0.3013, 0.5990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 129, 0) }
```

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

```
.background{ background-color: rgb(5, 129,  
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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