

Converting Colors

$Y_{xy}(16.3901, 0.3536, 0.5407)$

Have a look what the booklet for
Yxy(16.3901, 0.3536, 0.5407)
contains.

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Color

Yxy(16.4197, 0.3540, 0.5402)

Conversions

Conversions Part 1

Format	Color
Hex	507D13
RGB	80, 125, 19
RGB Percent	31%, 49%, 7%
CMY	0.6862, 0.5098, 0.9257
CMYK	0.36, 0.00, 0.85, 0.51
HSL	85°, 74%, 28%
HSV	85°, 85%, 49%
XYZ	10.7600, 16.4197, 3.2159
YIQ	99.4610, 7.2060, -42.5060

Conversions

Conversions Part 2

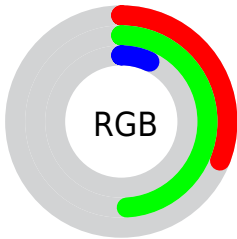
Format	Color
RYB	19, 125, 64
Decimal	5274899
CIELab	47.52, -31.92, 47.70
CIELCh	48, 57.390, 123.790
Yxy	16.4197, 0.3540, 0.5402
Android (android.graphics.Color)	4283464979 (0xFF507D13)
YUV	99.4610, -39.6673, -17.0673
Hunter-Lab	40.5212, -23.5131, 23.6595

Details

The Yxy color **16.4197, 0.3540, 0.5402** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.0326, 0.2103, 0.1055**, and the grayscale version is **12.7008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3084, 0.3517, 0.4896**, and **5.2790, 0.3279, 0.5779** is the 20% darker color. If you saturate the color by 10%, you get **16.1659, 0.3512, 0.5540**, and if you desaturate by 10%, it is **16.7150, 0.3547, 0.5218**.

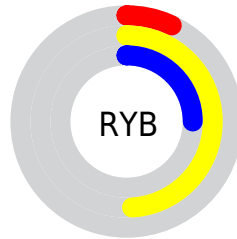
Distribution



 Red (31%)

 Green (49%)

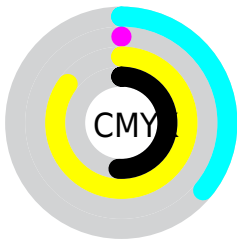
 Blue (7%)




 Red (7%)

 Yellow (49%)

 Blue (25%)

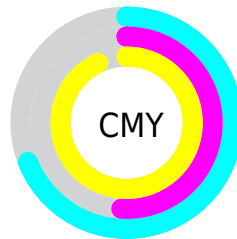


 Cyan (36%)

 Magenta (0%)

 Yellow (85%)

 Black (51%)



 Cyan (69%)


 Magenta (51%)


 Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4197, 0.3540, 0.5402 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 16.4197, 0.3540, 0.5402 by changing the saturation by 10% instead.


 16.4197, 0.3540,
0.5402


 16.4197, 0.3540,
0.5402


231.8057, 0.3387,
0.4133


 9.8216, 0.3513,
0.5778


 37.3253, 0.3518,
0.4890


 5.2809, 0.3520,
0.6480

 52.4016, 0.3497,
0.4712

 2.4130, 0.3101,
0.6899

 71.0728, 0.3475,
0.4568

 0.8326, 0.0144,
0.9856

 93.7233, 0.3454,
0.4450


 0.0000, 0.0000,
0.0000

 120.7374, 0.3435,
0.4351


 152.4996, 0.3418,


0.4267


 189.3942, 0.3402,
0.4195

 16.4197, 0.3540,
0.5402

 16.4197, 0.3540,
0.5402

 16.1659, 0.3512,
0.5540


 16.7150, 0.3547,
0.5218

 16.0443, 0.3496,
0.5606

 17.0538, 0.3533,
0.4993

 17.4400, 0.3498,
0.4739

 17.8762, 0.3448,
0.4467

 18.3649, 0.3385,
0.4189

■ 18.9083, 0.3315,
0.3914

■ 19.5085, 0.3240,
0.3651

■ 20.1675, 0.3164,
0.3403

■ 20.8872, 0.3088,
0.3174

Harmonies

Analogous

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



16.4197, 0.4491, 0.4927



16.4197, 0.3540, 0.5402



16.4197, 0.2540, 0.4992

Triad

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



16.4197, 0.3540, 0.5402



16.4197, 0.1374, 0.1934



16.4197, 0.4591, 0.2732

Complementary

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



16.4197, 0.3540, 0.5402



3.0326, 0.2103, 0.1055

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.



16.4197, 0.3445, 0.2161



16.4197, 0.3540, 0.5402



16.4197, 0.1697, 0.1713

Square

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



16.4197, 0.3540, 0.5402



16.4197, 0.1379, 0.2577



16.4197, 0.2387, 0.1804



16.4197, 0.5259, 0.3418

Rectangle

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



16.4197, 0.3540, 0.5402



16.4197, 0.1977, 0.4192



16.4197, 0.2387, 0.1804



16.4197, 0.4233, 0.2524

Sweetspot

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



16.4204, 0.3540, 0.5402



33.7818, 0.3320, 0.3935



7.9772, 0.5194, 0.4000



7.6188, 0.3341, 0.4013



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.4204, 0.3540, 0.5402



28.6437, 0.3481, 0.5618



14.9582, 0.3052, 0.5761



4.9314, 0.3196, 0.3507



16.7410, 0.3495, 0.5607



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.0326, 0.2103, 0.1055



3.9251, 0.1894, 0.0817



5.6690, 0.3037, 0.1543



4.2939, 0.3053, 0.3072



2.3320, 0.1915, 0.0829



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.4197, 0.3540, 0.5402 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 16.4197, 0.3540, 0.5402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

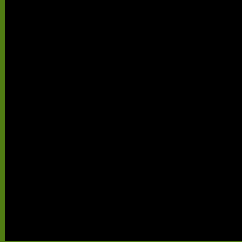
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4197, 0.3540, 0.5402

Background



This preview shows how black text looks on a background with the Yxy color 16.4197, 0.3540, 0.5402.



This preview shows how white text looks on a background with the Yxy color 16.4197, 0.3540, 0.5402.

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

16.4197, 0.3540, 0.5402

Protanopia

16.3568, 0.4345, 0.4820

Deuteranopia

16.2718, 0.4545, 0.4489



Tritanopia

16.3243, 0.2742, 0.3082

Trichromacy



Original Color

16.4197, 0.3540, 0.5402

Protanomaly

16.0750, 0.4043, 0.5043

Deuteranomaly

16.0311, 0.4162, 0.4831

Tritanomaly

15.9565, 0.3105, 0.4015

Monochromacy



Original Color

16.4197, 0.3540, 0.5402

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.4426, 0.3386, 0.4183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4197, 0.3540, 0.5402 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(80, 125, 19)` looks like.

```
.text, #text, p{  
  color:rgb(80, 125, 19)  
}
```

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(80, 125, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 125, 19) }
```

Border

The CSS property to change the border of an element to Yxy 16.4197, 0.3540, 0.5402 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(80, 125, 19) }
```

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

```
.border{ border-color:rgb(80, 125, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 125, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 125, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 125, 19);  
box-shadow:4px 4px 4px 4px rgb(80, 125,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4197, 0.3540, 0.5402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 125, 19) }
```

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

```
.background{ background-color: rgb(80, 125,  
19) }
```

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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