

Converting Colors

$Yxy(16.2307, 0.2941, 0.5454)$

Have a look what the booklet for
Yxy(16.2307, 0.2941, 0.5454)
contains.

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Color

Yxy(16.3450, 0.2942, 0.5459)

Conversions

Conversions Part 1

Format	Color
Hex	1A8229
RGB	26, 130, 41
RGB Percent	10%, 51%, 16%
CMY	0.8980, 0.4902, 0.8392
CMYK	0.80, 0.00, 0.68, 0.49
HSL	129°, 67%, 31%
HSV	129°, 80%, 51%
XYZ	8.8088, 16.3450, 4.7876
YIQ	88.7580, -33.4150, -49.7270

Conversions

Conversions Part 2

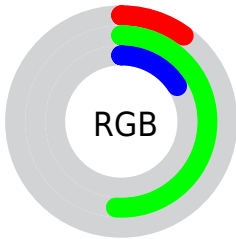
Format	Color
R_{YB}	26, 117, 130
Decimal	1737257
CIE Lab	47.42, -47.11, 38.76
CIE LCh	47, 61.004, 140.552
Yxy	16.3450, 0.2942, 0.5459
Android (android.graphics.Color)	4279927337 (0xFF1A8229)
YUV	88.7580, -23.5447, -55.0388
Hunter-Lab	40.4290, -31.8587, 21.2791

Details

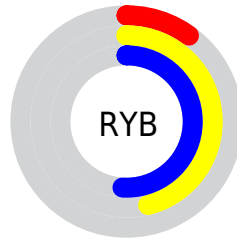
The Yxy color **16.3450, 0.2942, 0.5459** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.7229, 0.3496, 0.1855**, and the grayscale version is **9.9925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2100, 0.3046, 0.4876**, and **5.5920, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.1446, 0.2949, 0.5681**, and if you desaturate by 10%, it is **16.6464, 0.2945, 0.5191**.

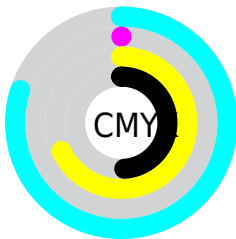
Distribution



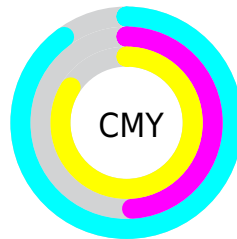
- Red (10%)
- Green (51%)
- Blue (16%)



- Red (10%)
- Yellow (46%)
- Blue (51%)



- Cyan (80%)
- Magenta (0%)
- Yellow (68%)
- Black (49%)




- Cyan (90%)
- Magenta (49%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3450, 0.2942, 0.5459 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 16.3450, 0.2942, 0.5459 by changing the saturation by 10% instead.


 16.3450, 0.2942,
0.5459


 16.3450, 0.2942,
0.5459


231.3690, 0.3123,
0.4101


 9.7686, 0.2831,
0.5917


 37.1961, 0.3045,
0.4882


 5.2458, 0.2634,
0.6614

 52.2396, 0.3071,
0.4692

 2.3922, 0.2222,
0.7778

 70.8743, 0.3088,
0.4542

 0.8219, 0.0000,
1.0000

 93.4845, 0.3100,
0.4420

 0.0000, 0.0000,
0.0000

 120.4547, 0.3108,
0.4319

 152.1693, 0.3115,

0.4235

189.0126, 0.3119,
0.4163

■ 16.3450, 0.2942,
0.5459

■ 16.3450, 0.2942,
0.5459

■ 16.1446, 0.2949,
0.5681

■ 16.6464, 0.2945,
0.5191

■ 16.0121, 0.2958,
0.5848

■ 17.0577, 0.2957,
0.4895

■ 17.5893, 0.2977,
0.4588

■ 18.2496, 0.3002,
0.4286

■ 19.0463, 0.3032,
0.4000

■ 19.9866, 0.3064,
0.3737

■ 21.0770, 0.3096,
0.3500

■ 22.3238, 0.3127,
0.3290

■ 23.7328, 0.3157,
0.3106

Harmonies

Analogous

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



16.3450, 0.3995, 0.5368



16.3450, 0.2942, 0.5459



16.3450, 0.1989, 0.4411

Triad

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



16.3450, 0.2942, 0.5459



16.3450, 0.1439, 0.1693



16.3450, 0.5174, 0.3081

Complementary

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



16.3450, 0.2942, 0.5459



6.7229, 0.3496, 0.1855

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.



16.3450, 0.4167, 0.2414



16.3450, 0.2942, 0.5459



16.3450, 0.1975, 0.1657

Square

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



16.3450, 0.2942, 0.5459



16.3450, 0.1254, 0.2088



16.3450, 0.2924, 0.1910



16.3450, 0.5409, 0.3823

Rectangle

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



16.3450, 0.2942, 0.5459



16.3450, 0.1554, 0.3436



16.3450, 0.2924, 0.1910



16.3450, 0.4908, 0.2848

Sweetspot

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



16.3457, 0.2942, 0.5459



34.4120, 0.3049, 0.3853



19.7629, 0.3933, 0.5050



7.6786, 0.3040, 0.3933



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.



16.3457, 0.2942, 0.5459



28.2535, 0.2961, 0.5819



16.9560, 0.2576, 0.4227



4.8281, 0.3099, 0.3480



15.3532, 0.2957, 0.5846



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.7229, 0.3496, 0.1855



10.5485, 0.3587, 0.1769



5.8566, 0.4817, 0.2685



4.4021, 0.3157, 0.3107



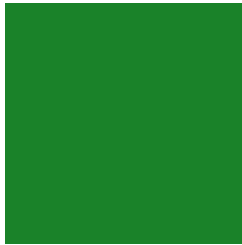
5.6572, 0.3597, 0.1755



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.3450, 0.2942, 0.5459 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 16.3450, 0.2942, 0.5459 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 16.3450, 0.2942, 0.5459

Background



This preview shows how black text looks on a background with the Yxy color 16.3450, 0.2942, 0.5459.



This preview shows how white text looks on a background with the Yxy color 16.3450, 0.2942, 0.5459.

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

16.3450, 0.2942, 0.5459

Protanopia

16.0757, 0.4205, 0.4639

Deuteranopia

16.0188, 0.4360, 0.4271



Tritanopia

16.2130, 0.2400, 0.3069

Trichromacy



Original Color

16.3450, 0.2942, 0.5459

Protanomaly

15.4574, 0.3598, 0.5026

Deuteranomaly

15.0554, 0.3691, 0.4766

Tritanomaly

15.8780, 0.2603, 0.3922

Monochromacy



Original Color

16.3450, 0.2942, 0.5459

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.5268, 0.3009, 0.4145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3450, 0.2942, 0.5459 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(26, 130, 41)` looks like.

```
.text, #text, p{  
    color:rgb(26, 130, 41)  
}
```

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(26, 130, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 130, 41) }
```

Border

The CSS property to change the border of an element to Yxy 16.3450, 0.2942, 0.5459 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(26, 130, 41) }
```

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

```
.border{ border-color:rgb(26, 130, 41) }
```

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

Here you see how a box with a 4 pixel rgb(26, 130, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 130, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 130, 41);  
box-shadow:4px 4px 4px 4px rgb(26, 130,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3450, 0.2942, 0.5459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 130, 41) }
```

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

```
.background{ background-color: rgb(26, 130,  
41) }
```

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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