

Converting Colors

$Y_{xy}(15.9177, 0.3005, 0.5487)$

Have a look what the booklet for
Yxy(15.9177, 0.3005, 0.5487)
contains.

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Color

Yxy(15.9120, 0.3006, 0.5489)

Conversions

Conversions Part 1

Format	Color
Hex	228025
RGB	34, 128, 37
RGB Percent	13%, 50%, 15%
CMY	0.8665, 0.4980, 0.8549
CMYK	0.73, 0.00, 0.71, 0.50
HSL	122°, 58%, 32%
HSV	122°, 73%, 50%
XYZ	8.7141, 15.9120, 4.3628
YIQ	89.5200, -26.8130, -48.2290

Conversions

Conversions Part 2

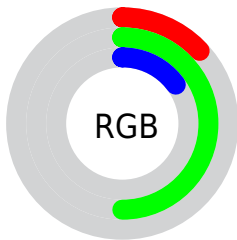
Format	Color
R_{YB}	34, 125, 128
Decimal	2261029
CIE _{Lab}	46.86, -45.49, 39.94
CIE _{LCh}	47, 60.532, 138.715
Yxy	15.9120, 0.3006, 0.5489
Android (android.graphics.Color)	4280451109 (0xFF228025)
YUV	89.5200, -25.8924, -48.6910
Hunter-Lab	39.8898, -30.8134, 21.4382

Details

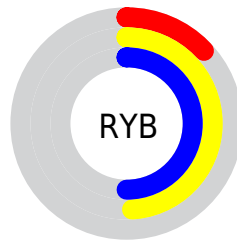
The Yxy color **15.9120, 0.3006, 0.5489** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7.2176, 0.3253, 0.1782**, and the grayscale version is **10.1783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5237, 0.3098, 0.4907**, and **5.3078, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.6688, 0.2998, 0.5726**, and if you desaturate by 10%, it is **16.2641, 0.3018, 0.5196**.

Distribution



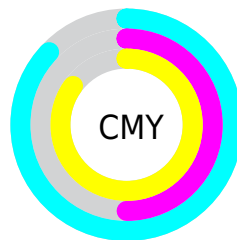
- Red (13%)
- Green (50%)
- Blue (15%)



- Red (13%)
- Yellow (49%)
- Blue (50%)



- Cyan (73%)
- Magenta (0%)
- Yellow (71%)
- Black (50%)





- Cyan (87%)
- Magenta (50%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9120, 0.3006, 0.5489 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 15.9120, 0.3006, 0.5489 by changing the saturation by 10% instead.


 15.9120, 0.3006,
0.5489

 15.9120, 0.3006,
0.5489


228.8219, 0.3153,
0.4112


 9.4619, 0.2900,
0.5951


 36.4454, 0.3098,
0.4905


 5.0437, 0.2722,
0.6687

 51.2974, 0.3119,
0.4712

 2.2729, 0.2260,
0.7740

 69.7189, 0.3132,
0.4559

 0.7593, 0.0000,
1.0000

 92.0943, 0.3140,
0.4435

 0.0000, 0.0000,
0.0000

 118.8078, 0.3146,
0.4333

 150.2440, 0.3150,

0.4247

186.7873, 0.3152,
0.4175

■ 15.9120, 0.3006,
0.5489

■ 15.9120, 0.3006,
0.5489

■ 15.6688, 0.2998,
0.5726

■ 16.2641, 0.3018,
0.5196

■ 15.5197, 0.2996,
0.5891

■ 16.7335, 0.3033,
0.4869

■ 15.4470, 0.2991,
0.5969

■ 17.3302, 0.3051,
0.4532

■ 18.0626, 0.3070,
0.4203

■ 18.9382, 0.3088,
0.3895

■ 19.9641, 0.3106,
0.3616

■ 21.1469, 0.3122,
0.3367

■ 22.4927, 0.3137,
0.3150

■ 24.0075, 0.3150,
0.2960

Harmonies

Analogous

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



15.9120, 0.4057, 0.5336



15.9120, 0.3006, 0.5489



15.9120, 0.2037, 0.4500

Triad

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



15.9120, 0.3006, 0.5489



15.9120, 0.1416, 0.1704



15.9120, 0.5134, 0.3037

Complementary

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



15.9120, 0.3006, 0.5489



7.2176, 0.3253, 0.1782

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.



15.9120, 0.4092, 0.2376



15.9120, 0.3006, 0.5489



15.9120, 0.1930, 0.1650

Square

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



15.9120, 0.3006, 0.5489



15.9120, 0.1252, 0.2126



15.9120, 0.2854, 0.1885



15.9120, 0.5421, 0.3776

Rectangle

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



15.9120, 0.3006, 0.5489



15.9120, 0.1584, 0.3522



15.9120, 0.2854, 0.1885



15.9120, 0.4852, 0.2805

Sweetspot

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



15.9127, 0.3006, 0.5489



33.4945, 0.3090, 0.3869



20.0225, 0.4048, 0.4860



7.7553, 0.3086, 0.3935



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.



15.9127, 0.3006, 0.5489



27.3972, 0.2996, 0.5844



16.3972, 0.2678, 0.4424



4.8208, 0.3113, 0.3505



15.3170, 0.2991, 0.5969



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.2176, 0.3253, 0.1782



11.1551, 0.3276, 0.1634



6.3072, 0.4303, 0.2489



4.4102, 0.3141, 0.3084



5.9927, 0.3287, 0.1584



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.9120, 0.3006, 0.5489 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 15.9120, 0.3006, 0.5489 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 15.9120, 0.3006, 0.5489

Background



This preview shows how black text looks on a background with the Yxy color 15.9120, 0.3006, 0.5489.



This preview shows how white text looks on a background with the Yxy color 15.9120, 0.3006, 0.5489.

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

15.9120, 0.3006, 0.5489

Protanopia

15.7582, 0.4234, 0.4680

Deuteranopia

15.6110, 0.4387, 0.4323



Tritanopia

15.7707, 0.2428, 0.3068

Trichromacy



Original Color

15.9120, 0.3006, 0.5489

Protanomaly

15.0622, 0.3671, 0.5043

Deuteranomaly

14.6867, 0.3774, 0.4787

Tritanomaly

15.4674, 0.2648, 0.3925

Monochromacy



Original Color

15.9120, 0.3006, 0.5489

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.6577, 0.3073, 0.4159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9120, 0.3006, 0.5489 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(34, 128, 37)` looks like.

```
.text, #text, p{  
    color:rgb(34, 128, 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(34, 128, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 128, 37) }
```

Border

The CSS property to change the border of an element to Yxy 15.9120, 0.3006, 0.5489 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(34, 128, 37) }
```

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

```
.border{ border-color:rgb(34, 128, 37) }
```

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

Here you see how a box with a 4 pixel rgb(34, 128, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 128, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 128, 37);  
box-shadow:4px 4px 4px 4px rgb(34, 128,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9120, 0.3006, 0.5489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 128, 37) }
```

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

```
.background{ background-color: rgb(34, 128,  
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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