

Converting Colors

$Y_{xy}(15.0227, 0.3487, 0.5345)$

Have a look what the booklet for
Yxy(15.0227, 0.3487, 0.5345)
contains.

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Color

Yxy(14.9990, 0.3486, 0.5339)

Conversions

Conversions Part 1

Format	Color
Hex	4B7819
RGB	75, 120, 25
RGB Percent	29%, 47%, 10%
CMY	0.7059, 0.5294, 0.9018
CMYK	0.38, 0.00, 0.79, 0.53
HSL	88°, 65%, 28%
HSV	88°, 79%, 47%
XYZ	9.7933, 14.9990, 3.3010
YIQ	95.7150, 3.6750, -39.0850

Conversions

Conversions Part 2

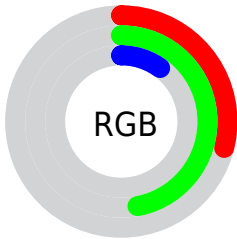
Format	Color
RYB	25, 120, 70
Decimal	4945945
CIELab	45.63, -31.25, 43.90
CIELCh	46, 53.890, 125.447
Yxy	14.9990, 0.3486, 0.5339
Android (android.graphics.Color)	4283136025 (0xFF4B7819)
YUV	95.7150, -34.8625, -18.1671
Hunter-Lab	38.7285, -22.6375, 22.0565

Details

The Yxy color **14.9990, 0.3486, 0.5339** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.3577, 0.2262, 0.1211**, and the grayscale version is **11.7108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0122, 0.3467, 0.4819**, and **4.7007, 0.3247, 0.5804** is the 20% darker color. If you saturate the color by 10%, you get **14.7393, 0.3465, 0.5511**, and if you desaturate by 10%, it is **15.3028, 0.3487, 0.5122**.

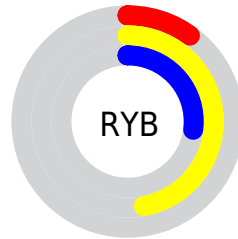
Distribution



Red (29%)

Green (47%)

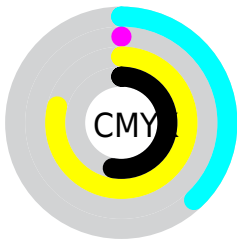
Blue (10%)



Red (10%)

Yellow (47%)

Blue (27%)

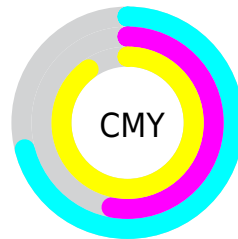


Cyan (38%)

Magenta (0%)

Yellow (79%)

Black (53%)



Cyan (71%)


Magenta (53%)


Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.9990, 0.3486, 0.5339 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 14.9990, 0.3486, 0.5339 by changing the saturation by 10% instead.


 14.9990, 0.3486,
0.5339


 14.9990, 0.3486,
0.5339


223.3602, 0.3352,
0.4085


 8.8187, 0.3458,
0.5729


 34.8514, 0.3467,
0.4822


 4.6231, 0.3477,
0.6494

 49.2923, 0.3449,
0.4646


 2.0279, 0.3033,
0.6967

 67.2555, 0.3430,
0.4505

 0.6236, 0.0000,
1.0000


 89.1255, 0.3411,
0.4390


 0.0000, 0.0000,
0.0000


 115.2865, 0.3394,
0.4294

 146.1230, 0.3379,


0.4214


 182.0195, 0.3365,
0.4145


 14.9990, 0.3486,
0.5339

 14.9990, 0.3486,
0.5339


 14.7393, 0.3465,
0.5511


 15.3028, 0.3487,
0.5122

 14.5132, 0.3430,
0.5649

 15.6519, 0.3467,
0.4870

 14.4945, 0.3427,
0.5661

 16.0494, 0.3431,
0.4596

 16.4980, 0.3381,
0.4314

 16.9997, 0.3322,
0.4033

■ 17.5567, 0.3257,
0.3762

■ 18.1710, 0.3189,
0.3507

■ 18.8443, 0.3121,
0.3270

■ 19.5785, 0.3055,
0.3053

Harmonies

Analogous

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



14.9990, 0.4419, 0.4929



14.9990, 0.3486, 0.5339



14.9990, 0.2513, 0.4876

Triad

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



14.9990, 0.3486, 0.5339



14.9990, 0.1423, 0.1950



14.9990, 0.4598, 0.2786

Complementary

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



14.9990, 0.3486, 0.5339



3.3577, 0.2262, 0.1211

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.



14.9990, 0.3501, 0.2216



14.9990, 0.3486, 0.5339



14.9990, 0.1760, 0.1749

Square

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



14.9990, 0.3486, 0.5339



14.9990, 0.1413, 0.2556



14.9990, 0.2457, 0.1852



14.9990, 0.5209, 0.3464

Rectangle

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



14.9990, 0.3486, 0.5339



14.9990, 0.1974, 0.4090



14.9990, 0.2457, 0.1852



14.9990, 0.4260, 0.2579

Sweetspot

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



14.9997, 0.3486, 0.5339



30.3301, 0.3293, 0.3909



8.3643, 0.4927, 0.4092



7.1215, 0.3312, 0.3988



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.9997, 0.3486, 0.5339



25.5980, 0.3433, 0.5615



13.7541, 0.3034, 0.5656



4.5440, 0.3189, 0.3506



15.8030, 0.3424, 0.5663



74.8722, 0.3389, 0.5691

Inverse Universe

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



3.3577, 0.2262, 0.1211



4.1664, 0.2043, 0.0928



5.8241, 0.3141, 0.1655



3.9780, 0.3061, 0.3074



2.4163, 0.2006, 0.0879



11.0266, 0.1955, 0.0851

Previews

White Background



This preview shows how the Yxy color 14.9990, 0.3486, 0.5339 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 14.9990, 0.3486, 0.5339 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 14.9990, 0.3486, 0.5339

Background



This preview shows how black text looks on a background with the Yxy color 14.9990, 0.3486, 0.5339.



This preview shows how white text looks on a background with the Yxy color 14.9990, 0.3486, 0.5339.

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

14.9990, 0.3486, 0.5339

Protanopia

14.8480, 0.4298, 0.4765

Deuteranopia

14.7691, 0.4504, 0.4426



Tritanopia

15.0435, 0.2730, 0.3095

Trichromacy



Original Color

14.9990, 0.3486, 0.5339

Protanomaly

14.5933, 0.3984, 0.4987

Deuteranomaly

14.5469, 0.4105, 0.4767

Tritanomaly

14.7724, 0.3058, 0.3970

Monochromacy



Original Color

14.9990, 0.3486, 0.5339

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.6201, 0.3339, 0.4138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9990, 0.3486, 0.5339 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(75, 120, 25)` looks like.

```
.text, #text, p{  
    color:rgb(75, 120, 25)  
}
```

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(75, 120, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 120, 25) }
```

Border

The CSS property to change the border of an element to Yxy 14.9990, 0.3486, 0.5339 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(75, 120, 25) }
```

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

```
.border{ border-color:rgb(75, 120, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 120, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 120, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 120, 25);  
box-shadow:4px 4px 4px 4px rgb(75, 120,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9990, 0.3486, 0.5339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 120, 25) }
```

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

```
.background{ background-color: rgb(75, 120,  
25) }
```

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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