

Converting Colors

$Y_{xy}(13.3568, 0.5528, 0.3713)$

Have a look what the booklet for
Yxy(13.3568, 0.5528, 0.3713)
contains.

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Color

Yxy(13.3487, 0.5516, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	AE451E
RGB	174, 69, 30
RGB Percent	68%, 27%, 12%
CMY	0.3176, 0.7294, 0.8822
CMYK	0.00, 0.60, 0.83, 0.32
HSL	16°, 71%, 40%
HSV	16°, 83%, 68%
XYZ	19.8200, 13.3487, 2.7632
YIQ	95.9490, 75.0990, 10.1310

Conversions

Conversions Part 2

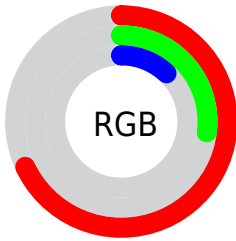
Format	Color
R_{YB}	174, 83, 30
Decimal	11420958
CIE Lab	43.28, 40.97, 43.44
CIE LCh	43, 59.710, 46.679
Yxy	13.3487, 0.5516, 0.3715
Android (android.graphics.Color)	4289611038 (0xFFAE451E)
YUV	95.9490, -32.5129, 68.4507
Hunter-Lab	36.5359, 32.8952, 21.0911

Details

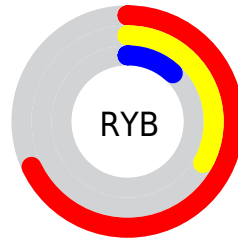
The Yxy color **13.3487, 0.5516, 0.3715** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **20.6770, 0.2088, 0.2563**, and the grayscale version is **11.7521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0577, 0.4977, 0.3728**, and **3.8915, 0.6244, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **11.8857, 0.5832, 0.3656**, and if you desaturate by 10%, it is **15.1964, 0.5149, 0.3731**.

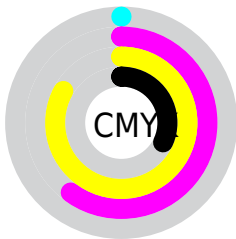
Distribution



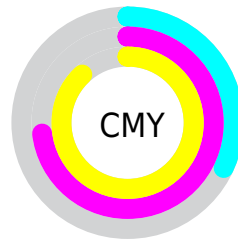
- Red (68%)
- Green (27%)
- Blue (12%)



- Red (68%)
- Yellow (33%)
- Blue (12%)



- Cyan (0%)
- Magenta (60%)
- Yellow (83%)
- Black (32%)




- Cyan (32%)
- Magenta (73%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3487, 0.5516, 0.3715 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 13.3487, 0.5516, 0.3715 by changing the saturation by 10% instead.


 13.3487, 0.5516,
0.3715


 13.3487, 0.5516,
0.3715


213.1405, 0.4131,
0.3611


 7.6691, 0.5887,
0.3649

 31.9288, 0.4980,
0.3731


 3.8840, 0.6455,
0.3545

 45.5982, 0.4786,
0.3717

 1.6089, 0.6883,
0.3117

 62.6995, 0.4626,
0.3700

 0.3636, 0.7998,
0.2002

 83.6173, 0.4493,
0.3681


 0.0000, 1.0000,
0.0000


 108.7359, 0.4381,
0.3662


 0.0000, 0.0000,
0.0000

 138.4397, 0.4285,


0.3644


 173.1131, 0.4202,
0.3627


 13.3487, 0.5516,
0.3715


 13.3487, 0.5516,
0.3715


 11.8857, 0.5832,
0.3656


 15.1964, 0.5149,
0.3731

 11.0391, 0.6024,
0.3599

 17.4531, 0.4769,
0.3709

 20.1437, 0.4407,
0.3660

 23.2901, 0.4079,
0.3595

 26.9129, 0.3793,
0.3522

■ 31.0312, 0.3549,
0.3448

■ 35.6631, 0.3343,
0.3376

■ 40.8257, 0.3169,
0.3308

■ 46.5354, 0.3024,
0.3245

Harmonies

Analogous

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



13.3487, 0.5170, 0.2967



13.3487, 0.5516, 0.3715



13.3487, 0.5057, 0.4546

Triad

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



13.3487, 0.5516, 0.3715



13.3487, 0.2045, 0.4664



13.3487, 0.1837, 0.1591

Complementary

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



13.3487, 0.5516, 0.3715



20.6770, 0.2088, 0.2563

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.



13.3487, 0.1340, 0.1665



13.3487, 0.5516, 0.3715



13.3487, 0.1398, 0.3147

Square

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



13.3487, 0.5516, 0.3715



13.3487, 0.3057, 0.5625



13.3487, 0.1194, 0.2122



13.3487, 0.2760, 0.1813

Rectangle

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



13.3487, 0.5516, 0.3715



13.3487, 0.4475, 0.5113



13.3487, 0.1194, 0.2122



13.3487, 0.1628, 0.1581

Sweetspot

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



13.3495, 0.5516, 0.3715



54.1673, 0.3611, 0.3468



11.6972, 0.3834, 0.2007



11.4635, 0.3695, 0.3494



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.3495, 0.5516, 0.3715



19.8894, 0.6030, 0.3585



27.9720, 0.4499, 0.4638



8.3548, 0.3280, 0.3352



8.0924, 0.6004, 0.3614



0.3164, 0.5415, 0.4083

Inverse Universe

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



20.6770, 0.2088, 0.2563



32.8884, 0.1997, 0.2384



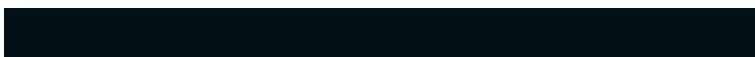
6.9590, 0.1728, 0.1204



8.7000, 0.2986, 0.3227



13.3132, 0.2001, 0.2402



0.4546, 0.2084, 0.2702

Previews

White Background



This preview shows how the Yxy color 13.3487, 0.5516, 0.3715 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 13.3487, 0.5516, 0.3715 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 13.3487, 0.5516, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 13.3487, 0.5516, 0.3715.



This preview shows how white text looks on a background with the Yxy color 13.3487, 0.5516, 0.3715.

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

13.3487, 0.5516, 0.3715

Protanopia

13.4918, 0.4143, 0.4550

Deuteranopia

13.5282, 0.4606, 0.4551



Tritanopia

13.3242, 0.5025, 0.3243

Trichromacy



Original Color

13.3487, 0.5516, 0.3715

Protanomaly

12.8438, 0.4667, 0.4217

Deuteranomaly

12.9892, 0.4987, 0.4202

Tritanomaly

13.2862, 0.5248, 0.3432

Monochromacy



Original Color

13.3487, 0.5516, 0.3715

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.4085, 0.4019, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3487, 0.5516, 0.3715 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(174, 69, 30)` looks like.

```
.text, #text, p{  
    color:rgb(174, 69, 30)  
}
```

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(174, 69, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 69, 30) }
```

Border

The CSS property to change the border of an element to Yxy 13.3487, 0.5516, 0.3715 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(174, 69, 30) }
```

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

```
.border{ border-color:rgb(174, 69, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 69, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 69, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 69, 30);  
box-shadow:4px 4px 4px 4px rgb(174, 69,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3487, 0.5516, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 69, 30) }
```

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

```
.background{ background-color: rgb(174, 69,  
30) }
```

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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