

Converting Colors

$Y_{xy}(12.5506, 0.3435, 0.5382)$

Have a look what the booklet for
Yxy(12.5506, 0.3435, 0.5382)
contains.

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Color

Yxy(12.5506, 0.3435, 0.5382)

Conversions

Conversions Part 1

Format	Color
Hex	416F16
RGB	65, 111, 22
RGB Percent	25%, 44%, 9%
CMY	0.7450, 0.5647, 0.9138
CMYK	0.41, 0.00, 0.80, 0.56
HSL	91°, 67%, 26%
HSV	91°, 80%, 44%
XYZ	8.0103, 12.5506, 2.7587
YIQ	87.1000, 1.1530, -37.4310

Conversions

Conversions Part 2

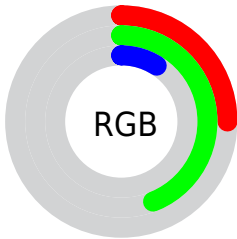
Format	Color
R_{YB}	22, 111, 68
Decimal	4288278
CIE _{Lab}	42.08, -31.12, 41.39
CIE _{LCh}	42, 51.787, 126.937
Yxy	12.5506, 0.3435, 0.5382
Android (android.graphics.Color)	4282478358 (0xFF416F16)
YUV	87.1000, -32.0943, -19.3817
Hunter-Lab	35.4268, -21.6367, 20.1818

Details

The Yxy color **12.5506, 0.3435, 0.5382** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.9488, 0.2326, 0.1239**, and the grayscale version is **9.6251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4573, 0.3427, 0.4824**, and **3.6332, 0.3131, 0.5896** is the 20% darker color. If you saturate the color by 10%, you get **12.3312, 0.3409, 0.5557**, and if you desaturate by 10%, it is **12.8094, 0.3441, 0.5161**.

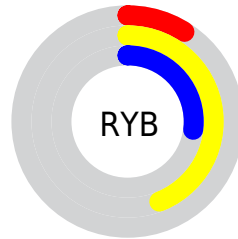
Distribution



Red (25%)

Green (44%)

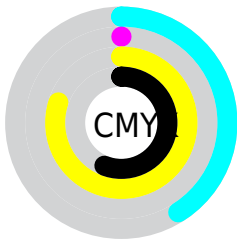
Blue (9%)



Red (9%)

Yellow (44%)

Blue (27%)

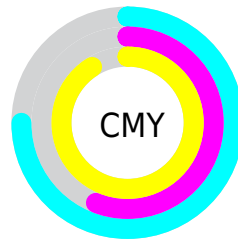


Cyan (41%)

Magenta (0%)

Yellow (80%)

Black (56%)



Cyan (75%)


Magenta (56%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5506, 0.3435, 0.5382 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 12.5506, 0.3435, 0.5382 by changing the saturation by 10% instead.


 12.5506, 0.3435,
0.5382


 12.5506, 0.3435,
0.5382


208.0171, 0.3328,
0.4067


 7.1198, 0.3392,
0.5814


 30.4940, 0.3429,
0.4826


 3.5372, 0.3359,
0.6641

 43.7755, 0.3413,
0.4642


 1.4182, 0.2650,
0.7350

 60.4426, 0.3397,
0.4495

 0.2301, 0.0000,
1.0000

 80.8798, 0.3381,
0.4377


 0.0000, 0.0000,
0.0000


 105.4714, 0.3366,
0.4279


 134.6019, 0.3352,


0.4197


 168.6557, 0.3339,
0.4127


 12.5506, 0.3435,
0.5382


 12.5506, 0.3435,
0.5382


 12.3312, 0.3409,
0.5557


 12.8094, 0.3441,
0.5161

 12.1437, 0.3375,
0.5702

 13.1086, 0.3429,
0.4906

 13.4511, 0.3400,
0.4629

 13.8392, 0.3358,
0.4344

 14.2748, 0.3307,
0.4061

■ 14.7596, 0.3250,
0.3788

■ 15.2955, 0.3189,
0.3532

■ 15.8841, 0.3128,
0.3294

■ 16.5270, 0.3068,
0.3078

Harmonies

Analogous

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



12.5506, 0.4391, 0.4984



12.5506, 0.3435, 0.5382



12.5506, 0.2453, 0.4863

Triad

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



12.5506, 0.3435, 0.5382



12.5506, 0.1408, 0.1909



12.5506, 0.4673, 0.2808

Complementary

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



12.5506, 0.3435, 0.5382



2.9488, 0.2326, 0.1239

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.



12.5506, 0.3565, 0.2224



12.5506, 0.3435, 0.5382



12.5506, 0.1765, 0.1725

Square

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



12.5506, 0.3435, 0.5382



12.5506, 0.1380, 0.2497



12.5506, 0.2490, 0.1843



12.5506, 0.5258, 0.3496

Rectangle

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



12.5506, 0.3435, 0.5382



12.5506, 0.1918, 0.4039



12.5506, 0.2490, 0.1843



12.5506, 0.4335, 0.2597

Sweetspot

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



12.5511, 0.3435, 0.5382



26.0314, 0.3276, 0.3908



7.3918, 0.4876, 0.4153



6.1960, 0.3292, 0.3985



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.5511, 0.3435, 0.5382



21.7979, 0.3374, 0.5667



11.5970, 0.3015, 0.5677



3.8350, 0.3182, 0.3503



14.2948, 0.3369, 0.5707



70.6994, 0.3331, 0.5737

Inverse Universe

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



2.9488, 0.2326, 0.1239



3.7963, 0.2118, 0.0965



5.1006, 0.3203, 0.1682



3.3773, 0.3068, 0.3078



2.3735, 0.2092, 0.0926



11.3079, 0.2038, 0.0897

Previews

White Background



This preview shows how the Yxy color 12.5506, 0.3435, 0.5382 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 12.5506, 0.3435, 0.5382 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 12.5506, 0.3435, 0.5382

Background



This preview shows how black text looks on a background with the Yxy color 12.5506, 0.3435, 0.5382.



This preview shows how white text looks on a background with the Yxy color 12.5506, 0.3435, 0.5382.

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

12.5506, 0.3435, 0.5382

Protanopia

12.3502, 0.4300, 0.4769

Deuteranopia

12.3842, 0.4499, 0.4440



Tritanopia

12.4900, 0.2691, 0.3079

Trichromacy



Original Color

12.5506, 0.3435, 0.5382

Protanomaly

12.1307, 0.3960, 0.5008

Deuteranomaly

12.0770, 0.4099, 0.4783

Tritanomaly

12.2890, 0.3016, 0.3980

Monochromacy



Original Color

12.5506, 0.3435, 0.5382

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.3869, 0.3327, 0.4161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5506, 0.3435, 0.5382 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(65, 111, 22)` looks like.

```
.text, #text, p{  
    color:rgb(65, 111, 22)  
}
```

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(65, 111, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 111, 22) }
```

Border

The CSS property to change the border of an element to Yxy 12.5506, 0.3435, 0.5382 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(65, 111, 22) }
```

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

```
.border{ border-color:rgb(65, 111, 22) }
```

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

Here you see how a box with a 4 pixel rgb(65, 111, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 111, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 111, 22);  
box-shadow:4px 4px 4px 4px rgb(65, 111,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5506, 0.3435, 0.5382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 111, 22) }
```

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

```
.background{ background-color: rgb(65, 111,  
22) }
```

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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