

Converting Colors

$Y_{xy}(12.3146, 0.2139, 0.5718)$

Have a look what the booklet for
Yxy(12.3146, 0.2139, 0.5718)
contains.

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Color

Yxy(13.6224, 0.2815, 0.5333)

Conversions

Conversions Part 1

Format	Color
Hex	00782D
RGB	0, 120, 45
RGB Percent	0%, 47%, 18%
CMY	0.9997, 0.5294, 0.8236
CMYK	1.00, 0.00, 0.63, 0.53
HSL	142°, 100%, 24%
HSV	142°, 100%, 47%
XYZ	7.1905, 13.6224, 4.7307
YIQ	75.5700, -47.4450, -48.7650

Conversions

Conversions Part 2

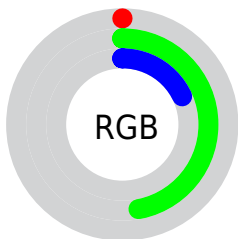
Format	Color
RYB	0, 87, 120
Decimal	30765
CIELab	43.69, -45.80, 32.60
CIELCh	44, 56.217, 144.560
Yxy	13.6224, 0.2815, 0.5333
Android (android.graphics.Color)	4278220845 (0xFF00782D)
YUV	75.5700, -15.0710, -66.2749
Hunter-Lab	36.9085, -29.8146, 18.2366

Details

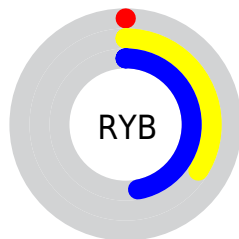
The Yxy color **13.6224, 0.2815, 0.5333** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.5044, 0.4380, 0.2187**, and the grayscale version is **7.1836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2552, 0.2948, 0.4760**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.6220, 0.2815, 0.5334**, and if you desaturate by 10%, it is **13.7642, 0.2795, 0.5130**.

Distribution



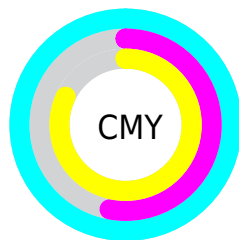
- Red (0%)
- Green (47%)
- Blue (18%)



- Red (0%)
- Yellow (34%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6224, 0.2815, 0.5333 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 13.6224, 0.2815, 0.5333 by changing the saturation by 10% instead.


 13.6224, 0.2815,
0.5333


 13.6224, 0.2815,
0.5333


214.8689, 0.3063,
0.4019


 7.8585, 0.2684,
0.5812


 32.4175, 0.2944,
0.4758

 4.0045, 0.2460,
0.6592

 46.2175, 0.2978,
0.4574


 1.6761, 0.1612,
0.8388

 63.4651, 0.3003,
0.4430

 0.4081, 0.0000,
1.0000


 84.5445, 0.3021,
0.4315

 0.0000, 0.0000,
0.0000

 109.8402, 0.3035,
0.4221


 139.7365, 0.3046,

0.4142


 174.6180, 0.3055,
0.4076


 13.6224, 0.2815,
0.5333


 13.6224, 0.2815,
0.5333


 13.6220, 0.2815,
0.5334

 13.7642, 0.2795,
0.5130

 13.9545, 0.2784,
0.4911

 14.2210, 0.2789,
0.4680

 14.5717, 0.2811,
0.4447

 15.0135, 0.2846,
0.4218

■ 15.5527, 0.2891,
0.4000

■ 16.1948, 0.2945,
0.3796

■ 16.9452, 0.3004,
0.3609

■ 17.8086, 0.3065,
0.3440

Harmonies

Analogous

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



13.6224, 0.3855, 0.5397



13.6224, 0.2815, 0.5333



13.6224, 0.1910, 0.4195

Triad

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



13.6224, 0.2815, 0.5333



13.6224, 0.1513, 0.1695



13.6224, 0.5214, 0.3185

Complementary

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



13.6224, 0.2815, 0.5333



4.5044, 0.4380, 0.2187

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.



13.6224, 0.4308, 0.2511



13.6224, 0.2815, 0.5333



13.6224, 0.2096, 0.1699

Square

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



13.6224, 0.2815, 0.5333



13.6224, 0.1287, 0.2033



13.6224, 0.3083, 0.1984



13.6224, 0.5341, 0.3928

Rectangle

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



13.6224, 0.2815, 0.5333



13.6224, 0.1519, 0.3260



13.6224, 0.3083, 0.1984



13.6224, 0.4987, 0.2951

Sweetspot

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



13.6230, 0.2815, 0.5333



28.3857, 0.2940, 0.3812



14.9711, 0.3586, 0.5534



6.6320, 0.2921, 0.3880



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.



13.6230, 0.2815, 0.5333



23.9341, 0.2827, 0.5377



14.4334, 0.2360, 0.3696



4.4725, 0.3070, 0.3427



14.8580, 0.2817, 0.5342



70.7212, 0.2843, 0.5435

Inverse Universe

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



4.5044, 0.4380, 0.2187



7.8921, 0.4417, 0.2207



4.0326, 0.6159, 0.3167



4.0533, 0.3189, 0.3157



4.9087, 0.4387, 0.2190



23.2460, 0.4465, 0.2234

Previews

White Background



This preview shows how the Yxy color 13.6224, 0.2815, 0.5333 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 13.6224, 0.2815, 0.5333 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 13.6224, 0.2815, 0.5333

Background



This preview shows how black text looks on a background with the Yxy color 13.6224, 0.2815, 0.5333.



This preview shows how white text looks on a background with the Yxy color 13.6224, 0.2815, 0.5333.

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

13.6224, 0.2815, 0.5333

Protanopia

13.4985, 0.4133, 0.4535

Deuteranopia

13.4953, 0.4245, 0.4170



Tritanopia

13.6219, 0.2358, 0.3052

Trichromacy



Original Color

13.6224, 0.2815, 0.5333



Protanomaly

12.5209, 0.3412, 0.4948



Deuteranomaly

12.2791, 0.3477, 0.4691



Tritanomaly

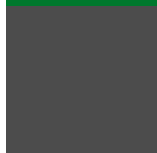
13.3609, 0.2506, 0.3841

Monochromacy



Original Color

13.6224, 0.2815, 0.5333



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

8.6643, 0.2854, 0.4122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6224, 0.2815, 0.5333 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(0, 120, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 45)  
}
```

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(0, 120, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 45) }
```

Border

The CSS property to change the border of an element to Yxy 13.6224, 0.2815, 0.5333 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(0, 120, 45) }
```

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

```
.border{ border-color:rgb(0, 120, 45) }
```

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

Here you see how a box with a 4 pixel rgb(0, 120, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 45);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 45)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.6224, 0.2815, 0.5333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 45) }
```

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

```
.background{ background-color: rgb(0, 120,  
45) }
```

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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