

Converting Colors

$Y_{xy}(12.3375, 0.3173, 0.5633)$

Have a look what the booklet for
Yxy(12.3375, 0.3173, 0.5633)
contains.

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Color

Yxy(12.3287, 0.3168, 0.5631)

Conversions

Conversions Part 1

Format	Color
Hex	297113
RGB	41, 113, 19
RGB Percent	16%, 44%, 7%
CMY	0.8393, 0.5568, 0.9255
CMYK	0.64, 0.00, 0.83, 0.56
HSL	106°, 71%, 26%
HSV	106°, 83%, 44%
XYZ	6.9361, 12.3287, 2.6295
YIQ	80.7560, -12.7380, -44.4980

Conversions

Conversions Part 2

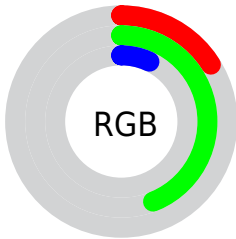
Format	Color
RYB	19, 113, 91
Decimal	2715923
CIELab	41.73, -39.91, 41.73
CIELCh	42, 57.743, 133.721
Yxy	12.3287, 0.3168, 0.5631
Android (android.graphics.Color)	4280906003 (0xFF297113)
YUV	80.7560, -30.4457, -34.8660
Hunter-Lab	35.1122, -26.1853, 20.1384

Details

The Yxy color **12.3287, 0.3168, 0.5631** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.8831, 0.2749, 0.1418**, and the grayscale version is **8.2393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2142, 0.3235, 0.4988**, and **3.6668, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.1404, 0.3134, 0.5805**, and if you desaturate by 10%, it is **12.5754, 0.3194, 0.5397**.

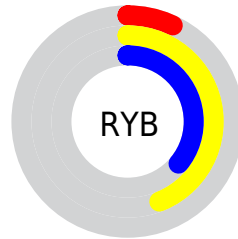
Distribution



Red (16%)

Green (44%)

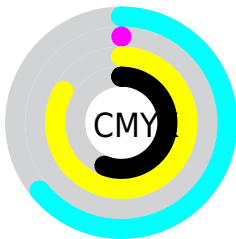
Blue (7%)



Red (7%)

Yellow (44%)

Blue (36%)

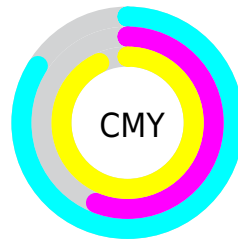


Cyan (64%)

Magenta (0%)

Yellow (83%)

Black (56%)



Cyan (84%)


Magenta (56%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3287, 0.3168, 0.5631 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 12.3287, 0.3168, 0.5631 by changing the saturation by 10% instead.


 12.3287, 0.3168,
0.5631


 12.3287, 0.3168,
0.5631

206.5694, 0.3235,
0.4133


 6.9680, 0.3057,
0.6143


 30.0924, 0.3240,
0.4987


 3.4421, 0.2900,
0.7100

 43.2641, 0.3249,
0.4776


 1.3666, 0.1601,
0.8399

 59.8082, 0.3251,
0.4611

 0.1919, 0.0000,
1.0000

 80.1092, 0.3250,
0.4478

 0.0000, 0.0000,
0.0000

 104.5514, 0.3247,
0.4368

 133.5193, 0.3244,

0.4277

 167.3971, 0.3240,
0.4200


 12.3287, 0.3168,
0.5631


 12.3287, 0.3168,
0.5631


 12.1404, 0.3134,
0.5805


 12.5754, 0.3194,
0.5397

 12.0366, 0.3114,
0.5910

 12.8839, 0.3209,
0.5118

 13.2588, 0.3213,
0.4810

 13.7041, 0.3209,
0.4493

 14.2231, 0.3197,
0.4182

■ 14.8192, 0.3179,
0.3886

■ 15.4953, 0.3158,
0.3612

■ 16.2543, 0.3135,
0.3364

■ 17.0990, 0.3111,
0.3141

Harmonies

Analogous

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



12.3287, 0.4238, 0.5284



12.3287, 0.3168, 0.5631



12.3287, 0.2140, 0.4795

Triad

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



12.3287, 0.3168, 0.5631



12.3287, 0.1320, 0.1699



12.3287, 0.5073, 0.2901

Complementary

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



12.3287, 0.3168, 0.5631



3.8831, 0.2749, 0.1418

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.



12.3287, 0.3906, 0.2248



12.3287, 0.3168, 0.5631



12.3287, 0.1778, 0.1593

Square

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



12.3287, 0.3168, 0.5631



12.3287, 0.1207, 0.2202



12.3287, 0.2653, 0.1786



12.3287, 0.5508, 0.3640

Rectangle

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



12.3287, 0.3168, 0.5631



12.3287, 0.1629, 0.3777



12.3287, 0.2653, 0.1786



12.3287, 0.4740, 0.2670

Sweetspot

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



12.3292, 0.3168, 0.5631



26.2569, 0.3184, 0.3957



10.7865, 0.4492, 0.4596



6.0051, 0.3189, 0.4036



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.



12.3292, 0.3168, 0.5631



21.4984, 0.3099, 0.5921



12.1205, 0.2876, 0.5281



3.7974, 0.3148, 0.3505



13.6441, 0.3110, 0.5912



67.6303, 0.3081, 0.5936

Inverse Universe

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



3.8831, 0.2749, 0.1418



5.6670, 0.2634, 0.1224



4.7061, 0.3761, 0.1996



3.4161, 0.3104, 0.3080



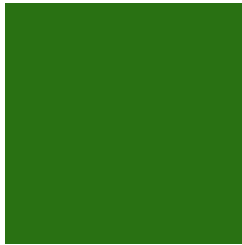
3.6190, 0.2645, 0.1231



17.6225, 0.2613, 0.1213

Previews

White Background



This preview shows how the Yxy color 12.3287, 0.3168, 0.5631 looks on a white background.

Color Contrast Check

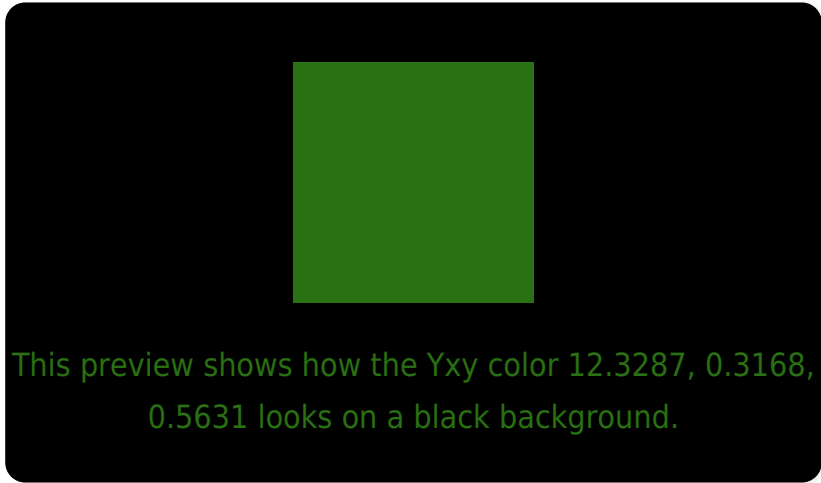
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

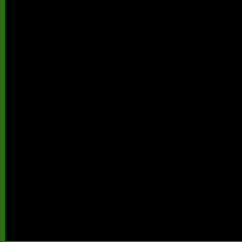
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.3287, 0.3168, 0.5631

Background



This preview shows how black text looks on a background with the Yxy color 12.3287, 0.3168, 0.5631.



This preview shows how white text looks on a background with the Yxy color 12.3287, 0.3168, 0.5631.

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

12.3287, 0.3168, 0.5631

Protanopia

12.0849, 0.4323, 0.4799

Deuteranopia

12.1334, 0.4500, 0.4433



Tritanopia

12.3102, 0.2498, 0.3071

Trichromacy



Original Color

12.3287, 0.3168, 0.5631

Protanomaly

11.6692, 0.3838, 0.5153

Deuteranomaly

11.5161, 0.3942, 0.4903

Tritanomaly

12.0739, 0.2797, 0.4071

Monochromacy



Original Color

12.3287, 0.3168, 0.5631

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.2924, 0.3199, 0.4292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3287, 0.3168, 0.5631 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(41, 113, 19)` looks like.

```
.text, #text, p{  
    color:rgb(41, 113, 19)  
}
```

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(41, 113, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 113, 19) }
```

Border

The CSS property to change the border of an element to Yxy 12.3287, 0.3168, 0.5631 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(41, 113, 19) }
```

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

```
.border{ border-color:rgb(41, 113, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 113, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 113, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 113, 19);  
box-shadow:4px 4px 4px 4px rgb(41, 113,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3287, 0.3168, 0.5631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 113, 19) }
```

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

```
.background{ background-color: rgb(41, 113,  
19) }
```

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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