

Converting Colors

$Y_{xy}(12.7635, 0.2986, 0.5581)$

Have a look what the booklet for
Yxy(12.7635, 0.2986, 0.5581)
contains.

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Color

Yxy(12.7616, 0.2985, 0.5585)

Conversions

Conversions Part 1

Format	Color
Hex	17741D
RGB	23, 116, 29
RGB Percent	9%, 45%, 11%
CMY	0.9098, 0.5451, 0.8862
CMYK	0.80, 0.00, 0.75, 0.55
HSL	124°, 67%, 27%
HSV	124°, 80%, 45%
XYZ	6.8207, 12.7616, 3.2675
YIQ	78.2750, -27.5010, -46.7730

Conversions

Conversions Part 2

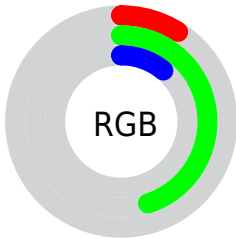
Format	Color
R _Y B	23, 110, 116
Decimal	1537053
CIE Lab	42.40, -43.95, 38.54
CIE LCh	42, 58.459, 138.754
Yxy	12.7616, 0.2985, 0.5585
Android (android.graphics.Color)	4279727133 (0xFF17741D)
YUV	78.2750, -24.2926, -48.4762
Hunter-Lab	35.7234, -28.4349, 19.5833

Details

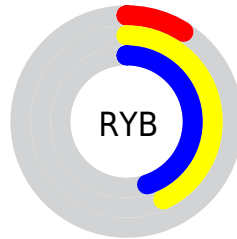
The Yxy color **12.7616, 0.2985, 0.5585** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.4511, 0.3327, 0.1757**, and the grayscale version is **7.7249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8717, 0.3093, 0.4935**, and **3.8964, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.6093, 0.2984, 0.5789**, and if you desaturate by 10%, it is **12.9938, 0.2992, 0.5321**.

Distribution



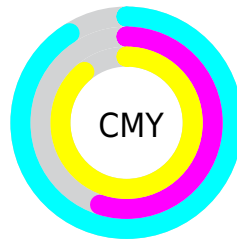
- Red (9%)
- Green (45%)
- Blue (11%)



- Red (9%)
- Yellow (43%)
- Blue (45%)



- Cyan (80%)
- Magenta (0%)
- Yellow (75%)
- Black (55%)





- Cyan (91%)
- Magenta (55%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7616, 0.2985, 0.5585 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 12.7616, 0.2985, 0.5585 by changing the saturation by 10% instead.


 12.7616, 0.2985,
0.5585


 12.7616, 0.2985,
0.5585


209.3841, 0.3153,
0.4107


 7.2646, 0.2855,
0.6108


 30.8748, 0.3092,
0.4942


 3.6281, 0.2732,
0.7256

 44.2598, 0.3116,
0.4735


 1.4678, 0.1365,
0.8635

 61.0429, 0.3130,
0.4572

 0.2659, 0.0000,
1.0000

 81.6086, 0.3139,
0.4442


 0.0000, 0.0000,
0.0000


 106.3411, 0.3145,
0.4335

 135.6249, 0.3149,

0.4246

 169.8445, 0.3151,
0.4171


 12.7616, 0.2985,
0.5585


 12.7616, 0.2985,
0.5585


 12.6093, 0.2984,
0.5789


 12.9938, 0.2992,
0.5321

 12.5076, 0.2980,
0.5930

 13.3132, 0.3005,
0.5017

 13.7278, 0.3022,
0.4694

 14.2444, 0.3042,
0.4371

 14.8691, 0.3063,
0.4063

■ 15.6077, 0.3085,
0.3778

■ 16.4653, 0.3107,
0.3521

■ 17.4470, 0.3127,
0.3294

■ 18.5574, 0.3146,
0.3094

Harmonies

Analogous

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



12.7616, 0.4065, 0.5398



12.7616, 0.2985, 0.5585



12.7616, 0.1992, 0.4552

Triad

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



12.7616, 0.2985, 0.5585



12.7616, 0.1370, 0.1657



12.7616, 0.5211, 0.3020

Complementary

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



12.7616, 0.2985, 0.5585



5.4511, 0.3327, 0.1757

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.



12.7616, 0.4128, 0.2347



12.7616, 0.2985, 0.5585



12.7616, 0.1893, 0.1605

Square

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



12.7616, 0.2985, 0.5585



12.7616, 0.1202, 0.2081



12.7616, 0.2842, 0.1845



12.7616, 0.5495, 0.3771

Rectangle

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



12.7616, 0.2985, 0.5585



12.7616, 0.1532, 0.3523



12.7616, 0.2842, 0.1845



12.7616, 0.4919, 0.2784

Sweetspot

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



12.7621, 0.2985, 0.5585



26.8339, 0.3075, 0.3901



15.9554, 0.4042, 0.4961



6.3142, 0.3069, 0.3983



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.7621, 0.2985, 0.5585



22.0310, 0.2987, 0.5906



13.1697, 0.2645, 0.4443



4.1017, 0.3109, 0.3494



14.0349, 0.2982, 0.5934



68.3471, 0.2992, 0.5970

Inverse Universe

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



5.4511, 0.3327, 0.1757



8.5833, 0.3367, 0.1648



4.7058, 0.4546, 0.2529



3.7540, 0.3146, 0.3094



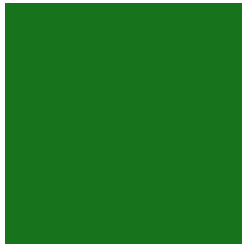
5.3925, 0.3372, 0.1631



26.2293, 0.3382, 0.1637

Previews

White Background



This preview shows how the Yxy color 12.7616, 0.2985, 0.5585 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 12.7616, 0.2985, 0.5585 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 12.7616, 0.2985, 0.5585

Background



This preview shows how black text looks on a background with the Yxy color 12.7616, 0.2985, 0.5585.



This preview shows how white text looks on a background with the Yxy color 12.7616, 0.2985, 0.5585.

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

12.7616, 0.2985, 0.5585

Protanopia

12.6293, 0.4259, 0.4712

Deuteranopia

12.6094, 0.4404, 0.4354



Tritanopia

12.7395, 0.2408, 0.3070

Trichromacy



Original Color

12.7616, 0.2985, 0.5585

Protanomaly

12.0881, 0.3666, 0.5124

Deuteranomaly

11.8481, 0.3734, 0.4870

Tritanomaly

12.4962, 0.2632, 0.3992

Monochromacy



Original Color

12.7616, 0.2985, 0.5585

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.8801, 0.3053, 0.4245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7616, 0.2985, 0.5585 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(23, 116, 29)` looks like.

```
.text, #text, p{  
    color:rgb(23, 116, 29)  
}
```

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(23, 116, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 116, 29) }
```

Border

The CSS property to change the border of an element to Yxy 12.7616, 0.2985, 0.5585 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(23, 116, 29) }
```

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

```
.border{ border-color:rgb(23, 116, 29) }
```

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

Here you see how a box with a 4 pixel rgb(23, 116, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 116, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 116, 29);  
box-shadow:4px 4px 4px 4px rgb(23, 116,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7616, 0.2985, 0.5585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 116, 29) }
```

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

```
.background{ background-color: rgb(23, 116,  
29) }
```

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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