

Converting Colors

$Y_{xy}(11.7515, 0.2861, 0.5499)$

Have a look what the booklet for
Yxy(11.7515, 0.2861, 0.5499)
contains.

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Color

Yxy(11.7097, 0.2858, 0.5488)

Conversions

Conversions Part 1

Format	Color
Hex	007023
RGB	0, 112, 35
RGB Percent	0%, 44%, 14%
CMY	0.9998, 0.5608, 0.8627
CMYK	1.00, 0.00, 0.69, 0.56
HSL	139°, 100%, 22%
HSV	139°, 100%, 44%
XYZ	6.0981, 11.7097, 3.5291
YIQ	69.7340, -42.0350, -47.6910

Conversions

Conversions Part 2

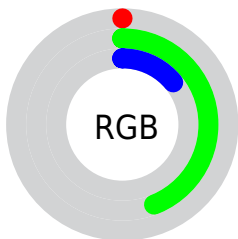
Format	Color
RYB	0, 85, 112
Decimal	28707
CIELab	40.75, -44.45, 34.08
CIELCh	41, 56.011, 142.524
Yxy	11.7097, 0.2858, 0.5488
Android (android.graphics.Color)	4278218787 (0xFF007023)
YUV	69.7340, -17.1239, -61.1567
Hunter-Lab	34.2194, -28.0743, 17.8389

Details

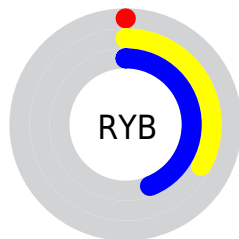
The Yxy color **11.7097, 0.2858, 0.5488** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.9825, 0.4140, 0.2055**, and the grayscale version is **6.1155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9906, 0.2990, 0.4858**, and **3.4452, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.7096, 0.2858, 0.5489**, and if you desaturate by 10%, it is **11.8336, 0.2841, 0.5281**.

Distribution



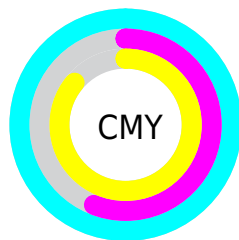
- Red (0%)
- Green (44%)
- Blue (14%)



- Red (0%)
- Yellow (33%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (56%)




- Cyan (100%)
- Magenta (56%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7097, 0.2858, 0.5488 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 11.7097, 0.2858, 0.5488 by changing the saturation by 10% instead.


 11.7097, 0.2858,
0.5488


 11.7097, 0.2858,
0.5488


202.4738, 0.3093,
0.4050


 6.5463, 0.2712,
0.6026


 28.9653, 0.2990,
0.4849

 3.1800, 0.2544,
0.7188

 41.8263, 0.3022,
0.4648

 1.2264, 0.0362,
0.9638

 58.0219, 0.3044,
0.4492

 0.0831, 0.0000,
1.0000

 77.9366, 0.3060,
0.4367

 0.0000, 0.0000,
0.0000

 101.9547, 0.3072,
0.4266


 130.4607, 0.3081,


0.4181


 163.8390, 0.3088,
0.4110


 11.7097, 0.2858,
0.5488


 11.7097, 0.2858,
0.5488


 11.7096, 0.2858,
0.5489

 11.8336, 0.2841,
0.5281

 11.9981, 0.2830,
0.5053

 12.2294, 0.2834,
0.4808

 12.5343, 0.2852,
0.4556

 12.9188, 0.2883,
0.4306

■ 13.3883, 0.2923,
0.4068

■ 13.9476, 0.2970,
0.3844

■ 14.6011, 0.3021,
0.3640

■ 15.3532, 0.3074,
0.3455

Harmonies

Analogous

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



11.7097, 0.3931, 0.5448



11.7097, 0.2858, 0.5488



11.7097, 0.1907, 0.4344

Triad

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



11.7097, 0.2858, 0.5488



11.7097, 0.1432, 0.1650



11.7097, 0.5268, 0.3117

Complementary

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



11.7097, 0.2858, 0.5488



3.9825, 0.4140, 0.2055

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.



11.7097, 0.4276, 0.2435



11.7097, 0.2858, 0.5488



11.7097, 0.2001, 0.1636

Square

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



11.7097, 0.2858, 0.5488



11.7097, 0.1223, 0.2018



11.7097, 0.2995, 0.1909



11.7097, 0.5443, 0.3872

Rectangle

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



11.7097, 0.2858, 0.5488



11.7097, 0.1487, 0.3343



11.7097, 0.2995, 0.1909



11.7097, 0.5013, 0.2880

Sweetspot

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



11.7102, 0.2858, 0.5488



24.4139, 0.2965, 0.3862



13.2259, 0.3695, 0.5448



5.7851, 0.2950, 0.3934



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.



11.7102, 0.2858, 0.5488



20.5503, 0.2871, 0.5534



12.3204, 0.2420, 0.3910



3.7788, 0.3079, 0.3438



13.5331, 0.2862, 0.5502



67.2748, 0.2888, 0.5597

Inverse Universe

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



3.9825, 0.4140, 0.2055



6.9711, 0.4170, 0.2071



3.5056, 0.5974, 0.3065



3.4366, 0.3179, 0.3146



4.5982, 0.4149, 0.2059



22.7449, 0.4214, 0.2095

Previews

White Background



This preview shows how the Yxy color 11.7097, 0.2858, 0.5488 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 11.7097, 0.2858, 0.5488

Background



This preview shows how black text looks on a background with the Yxy color 11.7097, 0.2858, 0.5488.



This preview shows how white text looks on a background with the Yxy color 11.7097, 0.2858, 0.5488.

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

11.7097, 0.2858, 0.5488

Protanopia

11.5905, 0.4187, 0.4624

Deuteranopia

11.5713, 0.4335, 0.4263



Tritanopia

11.8762, 0.2381, 0.3087

Trichromacy



Original Color

11.7097, 0.2858, 0.5488

Protanomaly

10.8360, 0.3472, 0.5087

Deuteranomaly

10.6067, 0.3554, 0.4828

Tritanomaly

11.6422, 0.2537, 0.3934

Monochromacy



Original Color

11.7097, 0.2858, 0.5488

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.3503, 0.2906, 0.4214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7097, 0.2858, 0.5488 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, 112, 35)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 35)  
}
```

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, 112, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 35) }
```

Border

The CSS property to change the border of an element to Yxy 11.7097, 0.2858, 0.5488 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, 112, 35) }
```

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

```
.border{ border-color:rgb(0, 112, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 35);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 35)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7097, 0.2858, 0.5488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 35) }
```

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

```
.background{ background-color: rgb(0, 112,  
35) }
```

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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