

Converting Colors

$Yxy(11.3923, 0.2403, 0.5139)$

Have a look what the booklet for
Yxy(11.3923, 0.2403, 0.5139)
contains.

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Color

$\text{Yxy}(12.0766, 0.2724, 0.5006)$

Conversions

Conversions Part 1

Format	Color
Hex	007136
RGB	0, 113, 54
RGB Percent	0%, 44%, 21%
CMY	0.9999, 0.5569, 0.7882
CMYK	1.00, 0.00, 0.52, 0.56
HSL	149°, 100%, 22%
HSV	149°, 100%, 44%
XYZ	6.5714, 12.0766, 5.4762
YIQ	72.4870, -48.4090, -42.3050

Conversions

Conversions Part 2

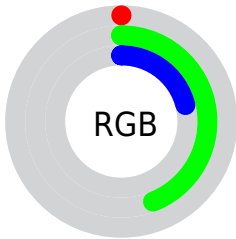
Format	Color
RYB	0, 76, 113
Decimal	28982
CIELab	41.34, -41.93, 25.03
CIELCh	41, 48.833, 149.161
Yxy	12.0766, 0.2724, 0.5006
Android (android.graphics.Color)	4278219062 (0xFF007136)
YUV	72.4870, -9.1141, -63.5711
Hunter-Lab	34.7514, -27.0608, 14.9829

Details

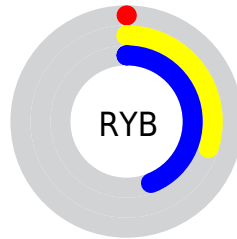
The Yxy color **12.0766, 0.2724, 0.5006** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.8273, 0.4778, 0.2406**, and the grayscale version is **6.5930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6876, 0.2864, 0.4508**, and **3.5747, 0.2921, 0.5716** is the 20% darker color. If you saturate the color by 10%, you get **12.0768, 0.2724, 0.5006**, and if you desaturate by 10%, it is **12.2092, 0.2709, 0.4820**.

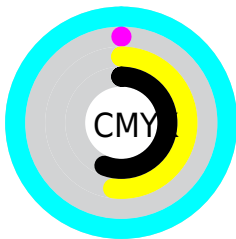
Distribution



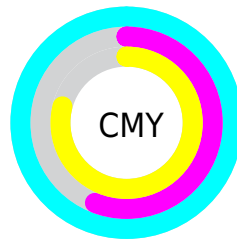
- Red (0%)
- Green (44%)
- Blue (21%)



- Red (0%)
- Yellow (30%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (56%)




- Cyan (100%)
- Magenta (56%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0766, 0.2724, 0.5006 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 12.0766, 0.2724, 0.5006 by changing the saturation by 10% instead.


 12.0766, 0.2724,
0.5006


 12.0766, 0.2724,
0.5006


204.9117, 0.3011,
0.3888


 6.7959, 0.2591,
0.5436


 29.6345, 0.2862,
0.4507


 3.3348, 0.2357,
0.6132

 42.6805, 0.2902,
0.4352

 1.3089, 0.1146,
0.8854

 59.0837, 0.2932,
0.4231

 0.1481, 0.0000,
1.0000


 79.2286, 0.2955,
0.4134

 0.0000, 0.0000,
0.0000

 103.4994, 0.2973,
0.4056


 132.2806, 0.2988,

0.3990

 165.9566, 0.3000,
0.3935


 12.0766, 0.2724,
0.5006


 12.0766, 0.2724,
0.5006


 12.0768, 0.2724,
0.5006

 12.2092, 0.2709,
0.4820

 12.3794, 0.2703,
0.4629

 12.6135, 0.2715,
0.4434

 12.9181, 0.2744,
0.4240

 13.2990, 0.2787,
0.4052

■ 13.7615, 0.2842,
0.3874

■ 14.3102, 0.2907,
0.3707

■ 14.9494, 0.2977,
0.3554

■ 15.6833, 0.3051,
0.3415

Harmonies

Analogous

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



12.0766, 0.3689, 0.5258



12.0766, 0.2724, 0.5006



12.0766, 0.1921, 0.3912

Triad

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



12.0766, 0.2724, 0.5006



12.0766, 0.1691, 0.1795



12.0766, 0.5092, 0.3323

Complementary

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



12.0766, 0.2724, 0.5006



3.8273, 0.4778, 0.2406

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.



12.0766, 0.4359, 0.2670



12.0766, 0.2724, 0.5006



12.0766, 0.2300, 0.1836

Square

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



12.0766, 0.2724, 0.5006



12.0766, 0.1427, 0.2068



12.0766, 0.3261, 0.2144



12.0766, 0.5124, 0.4036

Rectangle

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



12.0766, 0.2724, 0.5006



12.0766, 0.1588, 0.3105



12.0766, 0.3261, 0.2144



12.0766, 0.4919, 0.3097

Sweetspot

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



12.0771, 0.2724, 0.5006



25.5373, 0.2901, 0.3720



12.7799, 0.3442, 0.5649



5.8298, 0.2880, 0.3773



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.



12.0771, 0.2724, 0.5006



21.5992, 0.2736, 0.5051



12.9198, 0.2274, 0.3385



3.7873, 0.3059, 0.3402



13.6950, 0.2727, 0.5017



68.0486, 0.2753, 0.5112

Inverse Universe

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



3.8273, 0.4778, 0.2406



6.8256, 0.4831, 0.2435



3.5197, 0.6337, 0.3265



3.4279, 0.3202, 0.3181



4.3365, 0.4791, 0.2413



21.4268, 0.4902, 0.2474

Previews

White Background



This preview shows how the Yxy color 12.0766, 0.2724, 0.5006 looks on a white background.

Color Contrast Check

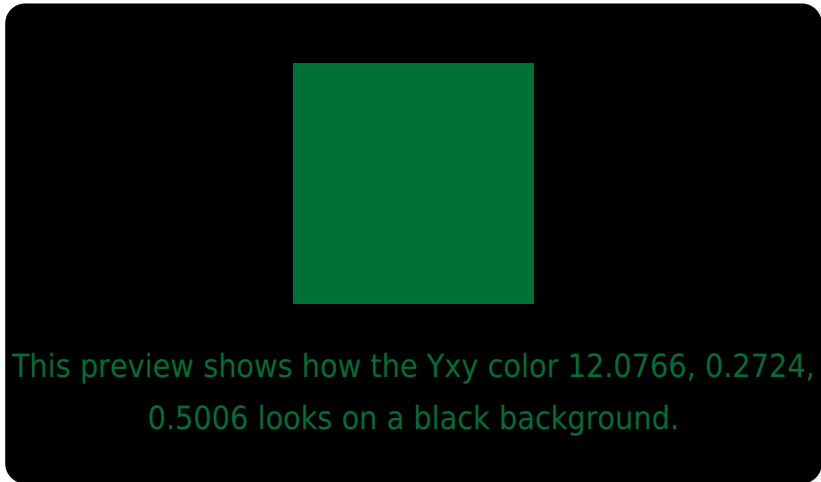
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0766, 0.2724, 0.5006

Background



This preview shows how black text looks on a background with the Yxy color 12.0766, 0.2724, 0.5006.



This preview shows how white text looks on a background with the Yxy color 12.0766, 0.2724, 0.5006.

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

12.0766, 0.2724, 0.5006

Protanopia

11.9593, 0.3989, 0.4332

Deuteranopia

11.9960, 0.4061, 0.4001



Tritanopia

12.0813, 0.2355, 0.3064

Trichromacy



Original Color

12.0766, 0.2724, 0.5006



Protanomaly

11.2047, 0.3295, 0.4672



Deuteranomaly

10.9056, 0.3326, 0.4425



Tritanomaly

11.9745, 0.2465, 0.3725

Monochromacy



Original Color

12.0766, 0.2724, 0.5006



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

7.7789, 0.2818, 0.3993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0766, 0.2724, 0.5006 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, 113, 54)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 54)  
}
```

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, 113, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 54) }
```

Border

The CSS property to change the border of an element to Yxy 12.0766, 0.2724, 0.5006 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, 113, 54) }
```

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

```
.border{ border-color:rgb(0, 113, 54) }
```

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

Here you see how a box with a 4 pixel rgb(0, 113, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 54);  
box-shadow:4px 4px 4px 4px rgb(0, 113, 54)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0766, 0.2724, 0.5006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 54) }
```

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

```
.background{ background-color: rgb(0, 113,  
54) }
```

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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