

Converting Colors

$Y_{xy}(11.0125, 0.2172, 0.5361)$

Have a look what the booklet for
Yxy(11.0125, 0.2172, 0.5361)
contains.

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Color

$\text{Yxy}(12.0493, 0.2748, 0.5091)$

Conversions

Conversions Part 1

Format	Color
Hex	007133
RGB	0, 113, 51
RGB Percent	0%, 44%, 20%
CMY	0.9994, 0.5569, 0.8000
CMYK	1.00, 0.00, 0.55, 0.56
HSL	147°, 100%, 22%
HSV	147°, 100%, 44%
XYZ	6.5039, 12.0493, 5.1146
YIQ	72.1450, -47.4460, -43.2380

Conversions

Conversions Part 2

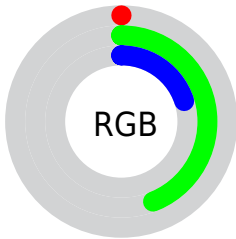
Format	Color
RYB	0, 78, 113
Decimal	28979
CIELab	41.29, -42.45, 26.62
CIELCh	41, 50.105, 147.907
Yxy	12.0493, 0.2748, 0.5091
Android (android.graphics.Color)	4278219059 (0xFF007133)
YUV	72.1450, -10.4245, -63.2712
Hunter-Lab	34.7121, -27.3011, 15.5624

Details

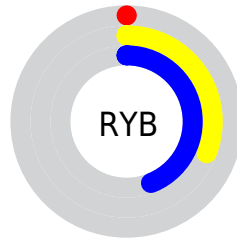
The Yxy color **12.0493, 0.2748, 0.5091** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.8630, 0.4667, 0.2346**, and the grayscale version is **6.5385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6291, 0.2884, 0.4567**, and **3.5660, 0.2955, 0.5839** is the 20% darker color. If you saturate the color by 10%, you get **12.0482, 0.2748, 0.5093**, and if you desaturate by 10%, it is **12.1815, 0.2732, 0.4899**.

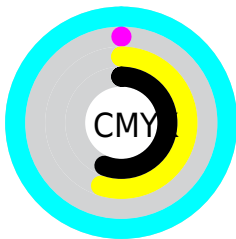
Distribution



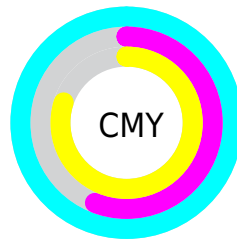
- Red (0%)
- Green (44%)
- Blue (20%)



- Red (0%)
- Yellow (31%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (80%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0493, 0.2748, 0.5091 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 12.0493, 0.2748, 0.5091 by changing the saturation by 10% instead.


 12.0493, 0.2748,
0.5091


 12.0493, 0.2748,
0.5091


204.7314, 0.3025,
0.3916


 6.7773, 0.2615,
0.5542


 29.5849, 0.2884,
0.4567


 3.3232, 0.2381,
0.6285

 42.6172, 0.2923,
0.4403


 1.3027, 0.1046,
0.8954

 59.0050, 0.2951,
0.4276

 0.1433, 0.0000,
1.0000


 79.1328, 0.2973,
0.4175

 0.0000, 0.0000,
0.0000

 103.3850, 0.2990,
0.4092


 132.1459, 0.3004,


0.4024


 165.7999, 0.3015,
0.3966


 12.0493, 0.2748,
0.5091


 12.0493, 0.2748,
0.5091


 12.0482, 0.2748,
0.5093

 12.1815, 0.2732,
0.4899

 12.3525, 0.2725,
0.4700

 12.5881, 0.2735,
0.4495

 12.8949, 0.2762,
0.4291

 13.2790, 0.2803,
0.4092

■ 13.7453, 0.2856,
0.3904

■ 14.2987, 0.2917,
0.3728

■ 14.9436, 0.2985,
0.3566

■ 15.6840, 0.3056,
0.3420

Harmonies

Analogous

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



12.0493, 0.3733, 0.5298



12.0493, 0.2748, 0.5091



12.0493, 0.1918, 0.3982

Triad

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



12.0493, 0.2748, 0.5091



12.0493, 0.1644, 0.1768



12.0493, 0.5125, 0.3288

Complementary

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



12.0493, 0.2748, 0.5091



3.8630, 0.4667, 0.2346

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.



12.0493, 0.4347, 0.2629



12.0493, 0.2748, 0.5091



12.0493, 0.2246, 0.1800

Square

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



12.0493, 0.2748, 0.5091



12.0493, 0.1390, 0.2059



12.0493, 0.3215, 0.2102



12.0493, 0.5181, 0.4009

Rectangle

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



12.0493, 0.2748, 0.5091



12.0493, 0.1570, 0.3143



12.0493, 0.3215, 0.2102



12.0493, 0.4938, 0.3059

Sweetspot

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



12.0498, 0.2748, 0.5091



25.5067, 0.2911, 0.3744



12.8412, 0.3465, 0.5629



5.8222, 0.2891, 0.3799



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.



12.0498, 0.2748, 0.5091



21.5495, 0.2761, 0.5139



12.8798, 0.2288, 0.3435



3.7859, 0.3062, 0.3408



13.6633, 0.2751, 0.5104



67.8938, 0.2778, 0.5202

Inverse Universe

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



3.8630, 0.4667, 0.2346



6.8844, 0.4718, 0.2373



3.5263, 0.6304, 0.3248



3.4293, 0.3198, 0.3175



4.3738, 0.4681, 0.2352



21.6121, 0.4785, 0.2410

Previews

White Background



This preview shows how the Yxy color 12.0493, 0.2748, 0.5091 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 12.0493, 0.2748, 0.5091 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 12.0493, 0.2748, 0.5091

Background



This preview shows how black text looks on a background with the Yxy color 12.0493, 0.2748, 0.5091.



This preview shows how white text looks on a background with the Yxy color 12.0493, 0.2748, 0.5091.

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

12.0493, 0.2748, 0.5091

Protanopia

11.9348, 0.4027, 0.4388

Deuteranopia

11.9658, 0.4104, 0.4059



Tritanopia

12.0813, 0.2355, 0.3064

Trichromacy



Original Color

12.0493, 0.2748, 0.5091

Protanomaly

11.1791, 0.3327, 0.4745

Deuteranomaly

10.8765, 0.3363, 0.4501

Tritanomaly

11.9569, 0.2474, 0.3754

Monochromacy



Original Color

12.0493, 0.2748, 0.5091

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.7674, 0.2831, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0493, 0.2748, 0.5091 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 51) }
```

Border

The CSS property to change the border of an element to Yxy 12.0493, 0.2748, 0.5091 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, 51) }
```

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

```
.border{ border-color:rgb(0, 113, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 113, 51)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0493, 0.2748, 0.5091 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, 51) }
```

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

```
.background{ background-color: rgb(0, 113,  
51) }
```

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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