

Converting Colors

$Y_{xy}(12.2070, 0.2174, 0.6598)$

Have a look what the booklet for
Yxy(12.2070, 0.2174, 0.6598)
contains.

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Color

Yxy(13.6835, 0.2990, 0.5966)

Conversions

Conversions Part 1

Format	Color
Hex	007904
RGB	0, 121, 4
RGB Percent	0%, 47%, 2%
CMY	1.0000, 0.5255, 0.9843
CMYK	1.00, 0.00, 0.97, 0.53
HSL	122°, 100%, 24%
HSV	122°, 100%, 47%
XYZ	6.8578, 13.6835, 2.3945
YIQ	71.4830, -34.5590, -62.0390

Conversions

Conversions Part 2

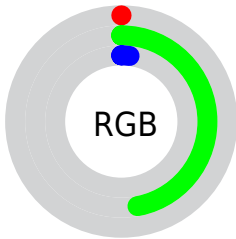
Format	Color
RYB	0, 117, 121
Decimal	30980
CIELab	43.78, -49.50, 47.03
CIELCh	44, 68.277, 136.466
Yxy	13.6835, 0.2990, 0.5966
Android (android.graphics.Color)	4278221060 (0xFF007904)
YUV	71.4830, -33.2691, -62.6906
Hunter-Lab	36.9912, -31.6425, 22.0559

Details

The Yxy color **13.6835, 0.2990, 0.5966** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.3498, 0.3290, 0.1586**, and the grayscale version is **6.4504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6924, 0.3126, 0.5247**, and **4.5065, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.6851, 0.2990, 0.5966**, and if you desaturate by 10%, it is **13.7917, 0.2996, 0.5834**.

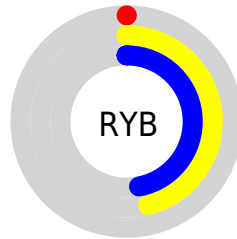
Distribution



Red (0%)

Green (47%)

Blue (2%)



Red (0%)

Yellow (46%)

Blue (47%)

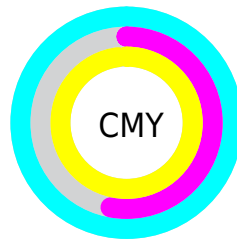


Cyan (100%)

Magenta (0%)

Yellow (97%)

Black (53%)



Cyan (100%)


Magenta (53%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6835, 0.2990, 0.5966 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 13.6835, 0.2990, 0.5966 by changing the saturation by 10% instead.


 13.6835, 0.2990,
0.5966


 13.6835, 0.2990,
0.5966


215.2529, 0.3192,
0.4266

 7.9009, 0.2825,
0.6528


 32.5264, 0.3127,
0.5245

 4.0316, 0.2549,
0.7451

 46.3554, 0.3155,
0.5006

 1.6912, 0.1248,
0.8752

 63.6354, 0.3172,
0.4816

 0.4180, 0.0000,
1.0000


 84.7507, 0.3182,
0.4663


 0.0000, 0.0000,
0.0000


 110.0857, 0.3187,
0.4537


 140.0248, 0.3190,


0.4432

 174.9524, 0.3192,
0.4343


 13.6835, 0.2990,
0.5966


 13.6835, 0.2990,
0.5966


 13.6851, 0.2990,
0.5966

 13.7917, 0.2996,
0.5834

 13.9540, 0.3000,
0.5640

 14.2040, 0.3009,
0.5380

 14.5518, 0.3023,
0.5073

 15.0061, 0.3039,
0.4742

■ 15.5745, 0.3057,
0.4409

■ 16.2642, 0.3076,
0.4089

■ 17.0814, 0.3094,
0.3793

■ 18.0323, 0.3111,
0.3526

Harmonies

Analogous

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



13.6835, 0.4171, 0.5546



13.6835, 0.2990, 0.5966



13.6835, 0.1901, 0.4888

Triad

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



13.6835, 0.2990, 0.5966



13.6835, 0.1184, 0.1510



13.6835, 0.5421, 0.2892

Complementary

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



13.6835, 0.2990, 0.5966



5.3498, 0.3290, 0.1586

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.



13.6835, 0.4138, 0.2189



13.6835, 0.2990, 0.5966



13.6835, 0.1701, 0.1440

Square

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



13.6835, 0.2990, 0.5966



13.6835, 0.1028, 0.1980



13.6835, 0.2696, 0.1674



13.6835, 0.5769, 0.3670

Rectangle

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



13.6835, 0.2990, 0.5966



13.6835, 0.1391, 0.3661



13.6835, 0.2696, 0.1674



13.6835, 0.5071, 0.2646

Sweetspot

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



13.6851, 0.2990, 0.5966



29.0212, 0.3074, 0.4112



17.5975, 0.4165, 0.5075



6.5362, 0.3068, 0.4218



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.6851, 0.2990, 0.5966



24.4993, 0.2993, 0.5975



14.0298, 0.2692, 0.4891



4.4519, 0.3113, 0.3503



14.6636, 0.2991, 0.5967



69.9221, 0.2996, 0.5986

Inverse Universe

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



5.3498, 0.3290, 0.1586



9.5748, 0.3293, 0.1587



4.3759, 0.4951, 0.2501



4.0753, 0.3142, 0.3086



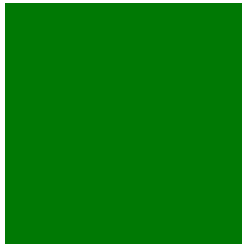
5.7322, 0.3291, 0.1586



27.3171, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 13.6835, 0.2990, 0.5966 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

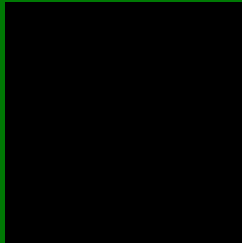
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6835, 0.2990, 0.5966

Background



This preview shows how black text looks on a background with the Yxy color 13.6835, 0.2990, 0.5966.



This preview shows how white text looks on a background with the Yxy color 13.6835, 0.2990, 0.5966.

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

13.6835, 0.2990, 0.5966

Protanopia

13.6825, 0.4394, 0.4893

Deuteranopia

13.5558, 0.4559, 0.4491



Tritanopia

13.6973, 0.2379, 0.3053

Trichromacy



Original Color

13.6835, 0.2990, 0.5966

Protanomaly

12.6099, 0.3649, 0.5474

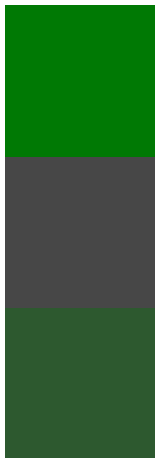
Deuteranomaly

12.1907, 0.3761, 0.5192

Tritanomaly

13.1331, 0.2644, 0.4268

Monochromacy



Original Color

13.6835, 0.2990, 0.5966

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

7.9079, 0.3036, 0.4647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6835, 0.2990, 0.5966 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, 121, 4)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 4)  
}
```

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, 121, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 4) }
```

Border

The CSS property to change the border of an element to Yxy 13.6835, 0.2990, 0.5966 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, 121, 4) }
```

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

```
.border{ border-color:rgb(0, 121, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 121, 4); box-shadow:4px  
4px 4px 4px rgb(0, 121, 4) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6835, 0.2990, 0.5966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 4) }
```

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

```
.background{ background-color: rgb(0, 121,  
4) }
```

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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