

Converting Colors

$Y_{xy}(11.6846, 0.2816, 0.6117)$

Have a look what the booklet for
Yxy(11.6846, 0.2816, 0.6117)
contains.

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Color

$Y_{xy}(12.0390, 0.2995, 0.5980)$

Conversions

Conversions Part 1

Format	Color
Hex	007202
RGB	0, 114, 2
RGB Percent	0%, 45%, 1%
CMY	0.9995, 0.5529, 0.9921
CMYK	1.00, 0.00, 0.98, 0.55
HSL	121°, 100%, 22%
HSV	121°, 100%, 45%
XYZ	6.0296, 12.0390, 2.0635
YIQ	67.1460, -31.9920, -59.0000

Conversions

Conversions Part 2

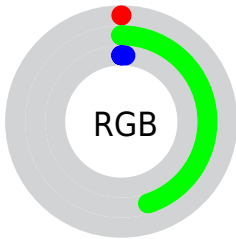
Format	Color
RYB	0, 112, 114
Decimal	29186
CIELab	41.28, -47.48, 45.43
CIELCh	41, 65.712, 136.260
Yxy	12.0390, 0.2995, 0.5980
Android (android.graphics.Color)	4278219266 (0xFF007202)
YUV	67.1460, -32.1170, -58.8870
Hunter-Lab	34.6973, -29.7011, 20.7619

Details

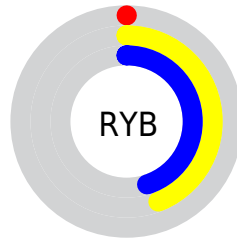
The Yxy color **12.0390, 0.2995, 0.5980** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.7529, 0.3249, 0.1564**, and the grayscale version is **5.6999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5521, 0.3139, 0.5234**, and **3.6668, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.0383, 0.2995, 0.5982**, and if you desaturate by 10%, it is **12.1387, 0.3001, 0.5842**.

Distribution



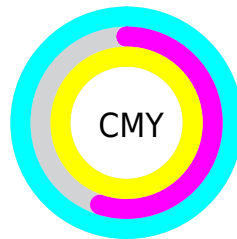
- Red (0%)
- Green (45%)
- Blue (1%)



- Red (0%)
- Yellow (44%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (98%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0390, 0.2995, 0.5980 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 12.0390, 0.2995, 0.5980 by changing the saturation by 10% instead.


 12.0390, 0.2995,
0.5980


 12.0390, 0.2995,
0.5980


204.6633, 0.3196,
0.4245


 6.7702, 0.2828,
0.6593


 29.5661, 0.3136,
0.5233


 3.3188, 0.2495,
0.7505

 42.5933, 0.3163,
0.4989


 1.3004, 0.0209,
0.9791

 58.9753, 0.3179,
0.4797

 0.1415, 0.0000,
1.0000

 79.0967, 0.3188,
0.4642


 0.0000, 0.0000,
0.0000


 103.3418, 0.3193,
0.4516


 132.0950, 0.3195,


0.4410


 165.7407, 0.3196,
0.4321


 12.0390, 0.2995,
0.5980


 12.0390, 0.2995,
0.5980


 12.0383, 0.2995,
0.5982

 12.1387, 0.3001,
0.5842

 12.2834, 0.3008,
0.5651

 12.5053, 0.3019,
0.5392

 12.8131, 0.3033,
0.5084

 13.2143, 0.3049,
0.4752

■ 13.7157, 0.3066,
0.4416

■ 14.3235, 0.3083,
0.4093

■ 15.0431, 0.3099,
0.3795

■ 15.8799, 0.3114,
0.3526

Harmonies

Analogous

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



12.0390, 0.4185, 0.5554



12.0390, 0.2995, 0.5980



12.0390, 0.1902, 0.4908

Triad

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



12.0390, 0.2995, 0.5980



12.0390, 0.1177, 0.1506



12.0390, 0.5425, 0.2884

Complementary

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



12.0390, 0.2995, 0.5980



4.7529, 0.3249, 0.1564

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.



12.0390, 0.4132, 0.2181



12.0390, 0.2995, 0.5980



12.0390, 0.1692, 0.1434

Square

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



12.0390, 0.2995, 0.5980



12.0390, 0.1022, 0.1980



12.0390, 0.2685, 0.1667



12.0390, 0.5779, 0.3663

Rectangle

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



12.0390, 0.2995, 0.5980



12.0390, 0.1389, 0.3674



12.0390, 0.2685, 0.1667



12.0390, 0.5071, 0.2638

Sweetspot

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



12.0395, 0.2995, 0.5980



25.0682, 0.3081, 0.4121



15.6118, 0.4193, 0.5052



5.7145, 0.3076, 0.4223



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.



12.0395, 0.2995, 0.5980



21.1538, 0.2996, 0.5986



12.3312, 0.2704, 0.4934



3.7640, 0.3115, 0.3503



13.4012, 0.2995, 0.5983



66.7447, 0.2998, 0.5993

Inverse Universe

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



4.7529, 0.3249, 0.1564



8.3453, 0.3250, 0.1564



3.8764, 0.4867, 0.2456



3.4526, 0.3139, 0.3086



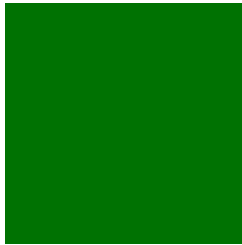
5.2875, 0.3249, 0.1563



26.3258, 0.3251, 0.1565

Previews

White Background



This preview shows how the Yxy color 12.0390, 0.2995, 0.5980 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

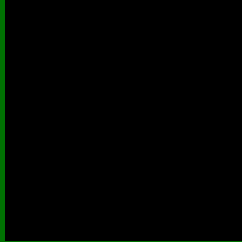
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0390, 0.2995, 0.5980

Background



This preview shows how black text looks on a background with the Yxy color 12.0390, 0.2995, 0.5980.



This preview shows how white text looks on a background with the Yxy color 12.0390, 0.2995, 0.5980.

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

12.0390, 0.2995, 0.5980

Protanopia

12.0504, 0.4389, 0.4897

Deuteranopia

11.8621, 0.4545, 0.4482



Tritanopia

12.1743, 0.2384, 0.3066

Trichromacy



Original Color

12.0390, 0.2995, 0.5980

Protanomaly

11.2049, 0.3652, 0.5470

Deuteranomaly

10.7745, 0.3755, 0.5187

Tritanomaly

11.7230, 0.2658, 0.4286

Monochromacy



Original Color

12.0390, 0.2995, 0.5980

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

7.0287, 0.3062, 0.4676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0390, 0.2995, 0.5980 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, 114, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 2)  
}
```

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, 114, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 2) }
```

Border

The CSS property to change the border of an element to Yxy 12.0390, 0.2995, 0.5980 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, 114, 2) }
```

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

```
.border{ border-color:rgb(0, 114, 2) }
```

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

Here you see how a box with a 4 pixel rgb(0, 114, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 114, 2); box-shadow:4px  
4px 4px 4px rgb(0, 114, 2) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0390, 0.2995, 0.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 2) }
```

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

```
.background{ background-color: rgb(0, 114,  
2) }
```

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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