

Converting Colors

$Y_{xy}(11.8325, 0.3405, 0.6052)$

Have a look what the booklet for
Yxy(11.8325, 0.3405, 0.6052)
contains.

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Color

Yxy(11.9732, 0.3300, 0.5762)

Conversions

Conversions Part 1

Format	Color
Hex	2F6F00
RGB	47, 111, 0
RGB Percent	18%, 44%, 0%
CMY	0.8156, 0.5647, 1.0000
CMYK	0.58, 0.00, 1.00, 0.56
HSL	95°, 100%, 22%
HSV	95°, 100%, 44%
XYZ	6.8573, 11.9732, 1.9491
YIQ	79.2100, -2.5130, -48.0890

Conversions

Conversions Part 2

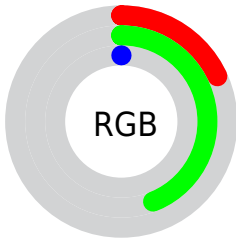
Format	Color
RYB	0, 111, 64
Decimal	3108608
CIELab	41.17, -38.29, 46.26
CIELCh	41, 60.047, 129.616
Yxy	11.9732, 0.3300, 0.5762
Android (android.graphics.Color)	4281298688 (0xFF2F6F00)
YUV	79.2100, -39.0505, -28.2482
Hunter-Lab	34.6023, -25.1801, 20.8819

Details

The Yxy color **11.9732, 0.3300, 0.5762** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.2371, 0.2222, 0.0997**, and the grayscale version is **7.9394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2873, 0.3354, 0.5095**, and **3.4452, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.9737, 0.3300, 0.5762**, and if you desaturate by 10%, it is **12.1616, 0.3337, 0.5609**.

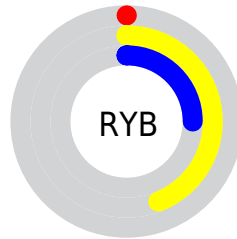
Distribution



Red (18%)

Green (44%)

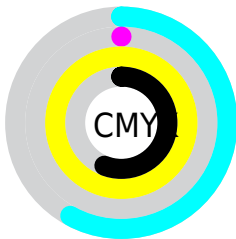
Blue (0%)



Red (0%)

Yellow (44%)

Blue (25%)

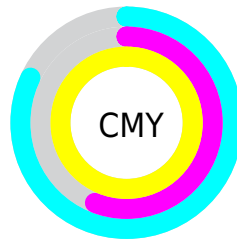


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (82%)


Magenta (56%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9732, 0.3300, 0.5762 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 11.9732, 0.3300, 0.5762 by changing the saturation by 10% instead.


 11.9732, 0.3300,
0.5762


 11.9732, 0.3300,
0.5762


 204.2278, 0.3308,
0.4195

 6.7254, 0.3205,
0.6304


 29.4463, 0.3359,
0.5100

 3.2910, 0.2953,
0.7047

 42.4404, 0.3359,
0.4879

 1.2855, 0.1579,
0.8421

 58.7854, 0.3353,
0.4704

 0.1299, 0.0000,
1.0000


 78.8657, 0.3345,
0.4562


 0.0000, 0.0000,
0.0000


 103.0657, 0.3335,
0.4446


 131.7698, 0.3326,


0.4348


 165.3624, 0.3317,
0.4266


 11.9732, 0.3300,
0.5762


 11.9732, 0.3300,
0.5762


 11.9737, 0.3300,
0.5762

 12.1616, 0.3337,
0.5609

 12.3826, 0.3367,
0.5426

 12.6461, 0.3379,
0.5196

 12.9552, 0.3374,
0.4930

 13.3123, 0.3353,
0.4644

■ 13.7199, 0.3320,
0.4351

■ 14.1801, 0.3278,
0.4062

■ 14.6949, 0.3230,
0.3786

■ 15.2664, 0.3179,
0.3527

Harmonies

Analogous

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



11.9732, 0.4398, 0.5241



11.9732, 0.3300, 0.5762



11.9732, 0.2217, 0.5079

Triad

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



11.9732, 0.3300, 0.5762



11.9732, 0.1224, 0.1681



11.9732, 0.5033, 0.2776

Complementary

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



11.9732, 0.3300, 0.5762



2.2371, 0.2222, 0.0997

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.



11.9732, 0.3748, 0.2127



11.9732, 0.3300, 0.5762



11.9732, 0.1639, 0.1530

Square

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



11.9732, 0.3300, 0.5762



11.9732, 0.1152, 0.2261



11.9732, 0.2476, 0.1689



11.9732, 0.5604, 0.3519

Rectangle

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



11.9732, 0.3300, 0.5762



11.9732, 0.1654, 0.4021



11.9732, 0.2476, 0.1689



11.9732, 0.4652, 0.2544

Sweetspot

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



11.9737, 0.3300, 0.5762



25.3207, 0.3282, 0.4085



6.9235, 0.5157, 0.4287



6.0165, 0.3296, 0.4179



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.



11.9737, 0.3300, 0.5762



21.3682, 0.3281, 0.5777



11.3852, 0.2979, 0.5924



3.8259, 0.3174, 0.3503



14.0946, 0.3294, 0.5766



69.7254, 0.3256, 0.5797

Inverse Universe

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



2.2371, 0.2222, 0.0997



3.9299, 0.2197, 0.0984



4.3709, 0.3376, 0.1633



3.3865, 0.3077, 0.3078



2.6207, 0.2214, 0.0993



12.5389, 0.2164, 0.0966

Previews

White Background



This preview shows how the Yxy color 11.9732, 0.3300, 0.5762 looks on a white background.

Color Contrast Check

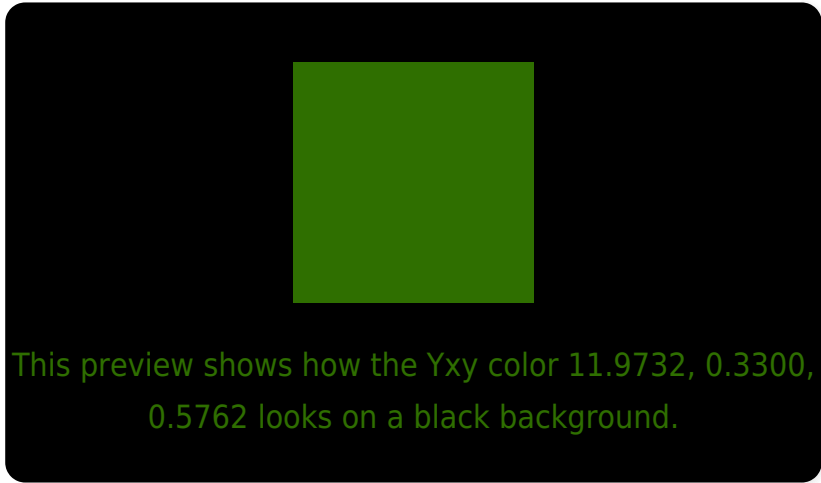
Large Text (above 18pt) WCAG AA ✓ Pass

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

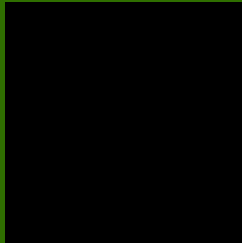
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9732, 0.3300, 0.5762

Background



This preview shows how black text looks on a background with the Yxy color 11.9732, 0.3300, 0.5762.



This preview shows how white text looks on a background with the Yxy color 11.9732, 0.3300, 0.5762.

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

11.9732, 0.3300, 0.5762

Protanopia

11.8006, 0.4390, 0.4896

Deuteranopia

11.8537, 0.4561, 0.4502



Tritanopia

11.9382, 0.2548, 0.3093

Trichromacy



Original Color

11.9732, 0.3300, 0.5762

Protanomaly

11.4812, 0.3934, 0.5258

Deuteranomaly

11.3911, 0.4061, 0.4992

Tritanomaly

11.6625, 0.2924, 0.4243

Monochromacy



Original Color

11.9732, 0.3300, 0.5762

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.9058, 0.3328, 0.4470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9732, 0.3300, 0.5762 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(47, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(47, 111, 0)  
}
```

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(47, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 111, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.9732, 0.3300, 0.5762 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(47, 111, 0) }
```

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

```
.border{ border-color:rgb(47, 111, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(47, 111, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9732, 0.3300, 0.5762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 111, 0) }
```

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

```
.background{ background-color: rgb(47, 111,  
0) }
```

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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