

Converting Colors

$Y_{xy}(17.4500, 0.2996, 0.5861)$

Have a look what the booklet for
Yxy(17.4500, 0.2996, 0.5861)
contains.

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Color

Yxy(17.4509, 0.2998, 0.5863)

Conversions

Conversions Part 1

Format	Color
Hex	0D8710
RGB	13, 135, 16
RGB Percent	5%, 53%, 6%
CMY	0.9492, 0.4706, 0.9370
CMYK	0.90, 0.00, 0.88, 0.47
HSL	122°, 82%, 29%
HSV	122°, 90%, 53%
XYZ	8.9234, 17.4509, 3.3902
YIQ	84.9560, -34.5130, -62.8730

Conversions

Conversions Part 2

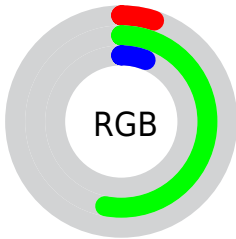
Format	Color
R_{YB}	13, 132, 135
Decimal	886544
CIE _{Lab}	48.82, -52.16, 48.84
CIE _{LCh}	49, 71.461, 136.881
Yxy	17.4509, 0.2998, 0.5863
Android (android.graphics.Color)	4279076624 (0xFF0D8710)
YUV	84.9560, -33.9953, -63.1054
Hunter-Lab	41.7743, -34.9757, 24.4303

Details

The Yxy color **17.4509, 0.2998, 0.5863** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.1017, 0.3263, 0.1621**, and the grayscale version is **9.1520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9025, 0.3118, 0.5200**, and **6.3406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.3362, 0.2994, 0.5977**, and if you desaturate by 10%, it is **17.6443, 0.3003, 0.5680**.

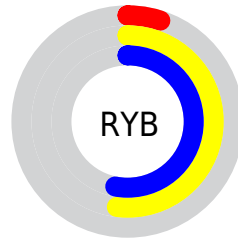
Distribution



Red (5%)

Green (53%)

Blue (6%)



Red (5%)

Yellow (52%)

Blue (53%)

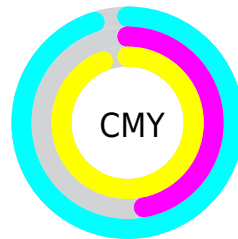


Cyan (90%)

Magenta (0%)

Yellow (88%)

Black (47%)



Cyan (95%)


Magenta (47%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4509, 0.2998, 0.5863 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 17.4509, 0.2998, 0.5863 by changing the saturation by 10% instead.


 17.4509, 0.2998,
0.5863


 17.4509, 0.2998,
0.5863


237.7576, 0.3184,
0.4276


 10.5565, 0.2860,
0.6359


 39.0994, 0.3118,
0.5207

 5.7695, 0.2679,
0.7246


 54.6223, 0.3145,
0.4984


 2.7054, 0.2072,
0.7928

 73.7902, 0.3161,
0.4806

 0.9799, 0.0000,
1.0000


 96.9874, 0.3171,
0.4660


 0.0000, 0.0000,
0.0000


 124.5983, 0.3177,
0.4539


 157.0074, 0.3181,

0.4438


 194.5990, 0.3183,
0.4351

 17.4509, 0.2998,
0.5863


 17.4509, 0.2998,
0.5863


 17.3362, 0.2994,
0.5977

 17.6443, 0.3003,
0.5680

 17.9490, 0.3012,
0.5426

 18.3793, 0.3025,
0.5120

 18.9467, 0.3042,
0.4786

 19.6615, 0.3059,
0.4446

■ 20.5331, 0.3077,
0.4118

■ 21.5698, 0.3095,
0.3815

■ 22.7798, 0.3111,
0.3541

■ 24.1704, 0.3127,
0.3299

Harmonies

Analogous

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



17.4509, 0.4148, 0.5501



17.4509, 0.2998, 0.5863



17.4509, 0.1932, 0.4801

Triad

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



17.4509, 0.2998, 0.5863



17.4509, 0.1232, 0.1551



17.4509, 0.5358, 0.2923

Complementary

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



17.4509, 0.2998, 0.5863



7.1017, 0.3263, 0.1621

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.



17.4509, 0.4128, 0.2229



17.4509, 0.2998, 0.5863



17.4509, 0.1749, 0.1484

Square

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



17.4509, 0.2998, 0.5863



17.4509, 0.1075, 0.2012



17.4509, 0.2729, 0.1718



17.4509, 0.5695, 0.3695

Rectangle

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



17.4509, 0.2998, 0.5863



17.4509, 0.1434, 0.3632



17.4509, 0.2729, 0.1718



17.4509, 0.5022, 0.2680

Sweetspot

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



17.4516, 0.2998, 0.5863



37.2569, 0.3082, 0.4031



22.3417, 0.4139, 0.5024



8.5101, 0.3077, 0.4122



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



17.4516, 0.2998, 0.5863



31.0408, 0.2995, 0.5983



17.9361, 0.2678, 0.4740



5.2065, 0.3113, 0.3508



15.9858, 0.2993, 0.5976



0.0555, 0.2963, 0.5865

Inverse Universe

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



7.1017, 0.3263, 0.1621



12.1835, 0.3273, 0.1577



5.9053, 0.4734, 0.2473



4.7609, 0.3141, 0.3081



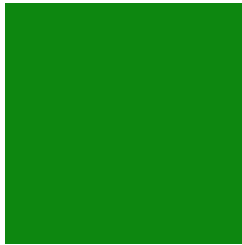
6.2758, 0.3271, 0.1576



0.0219, 0.3238, 0.1557

Previews

White Background



This preview shows how the Yxy color 17.4509, 0.2998, 0.5863 looks on a white background.

Color Contrast Check

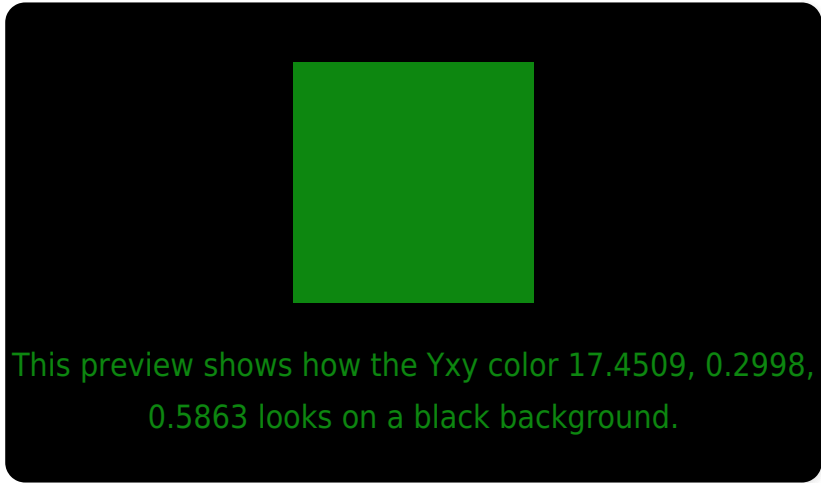
Large Text (above 18pt) WCAG AA ✓ Pass

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

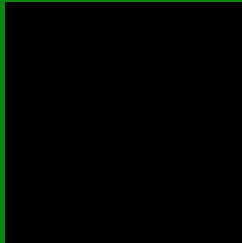
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4509, 0.2998, 0.5863

Background



This preview shows how black text looks on a background with the Yxy color 17.4509, 0.2998, 0.5863.



This preview shows how white text looks on a background with the Yxy color 17.4509, 0.2998, 0.5863.

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

17.4509, 0.2998, 0.5863

Protanopia

17.2563, 0.4363, 0.4857

Deuteranopia

17.2814, 0.4534, 0.4470



Tritanopia

17.5691, 0.2379, 0.3075

Trichromacy



Original Color

17.4509, 0.2998, 0.5863



Protanomaly

16.2187, 0.3670, 0.5372



Deuteranomaly

15.8142, 0.3781, 0.5100



Tritanomaly

16.9446, 0.2643, 0.4187

Monochromacy



Original Color

17.4509, 0.2998, 0.5863



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

10.9565, 0.3058, 0.4486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4509, 0.2998, 0.5863 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(13, 135, 16)` looks like.

```
.text, #text, p{  
    color:rgb(13, 135, 16)  
}
```

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(13, 135, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 135, 16) }
```

Border

The CSS property to change the border of an element to Yxy 17.4509, 0.2998, 0.5863 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(13, 135, 16) }
```

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

```
.border{ border-color:rgb(13, 135, 16) }
```

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

Here you see how a box with a 4 pixel rgb(13, 135, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 135, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 135, 16);  
box-shadow:4px 4px 4px 4px rgb(13, 135,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4509, 0.2998, 0.5863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 135, 16) }
```

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

```
.background{ background-color: rgb(13, 135,  
16) }
```

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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