

Converting Colors

$Yxy(16.6127, 0.3118, 0.5559)$

Have a look what the booklet for
Yxy(16.6127, 0.3118, 0.5559)
contains.

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Color

Yxy(16.6398, 0.3122, 0.5559)

Conversions

Conversions Part 1

Format	Color
Hex	2E821E
RGB	46, 130, 30
RGB Percent	18%, 51%, 12%
CMY	0.8194, 0.4902, 0.8823
CMYK	0.65, 0.00, 0.77, 0.49
HSL	110°, 62%, 31%
HSV	110°, 77%, 51%
XYZ	9.3451, 16.6398, 3.9482
YIQ	93.4840, -17.9640, -48.9080

Conversions

Conversions Part 2

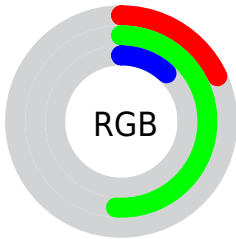
Format	Color
R_{YB}	30, 130, 114
Decimal	3047966
CIE _{Lab}	47.80, -44.24, 43.81
CIE _{LCh}	48, 62.259, 135.281
Yxy	16.6398, 0.3122, 0.5559
Android (android.graphics.Color)	4281238046 (0xFF2E821E)
YUV	93.4840, -31.2976, -41.6435
Hunter-Lab	40.7919, -30.4929, 22.8158

Details

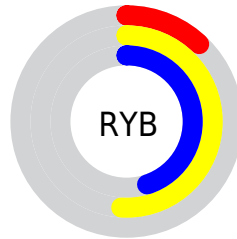
The Yxy color **16.6398, 0.3122, 0.5559** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.1164, 0.2913, 0.1559**, and the grayscale version is **11.1467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7737, 0.3191, 0.4969**, and **5.5920, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.3649, 0.3095, 0.5768**, and if you desaturate by 10%, it is **17.0080, 0.3143, 0.5290**.

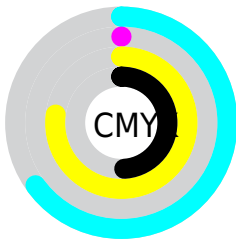
Distribution



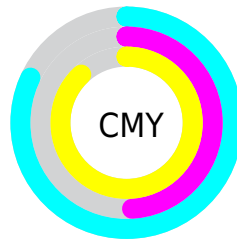
- Red (18%)
- Green (51%)
- Blue (12%)



- Red (12%)
- Yellow (51%)
- Blue (45%)



- Cyan (65%)
- Magenta (0%)
- Yellow (77%)
- Black (49%)





- Cyan (82%)
- Magenta (49%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6398, 0.3122, 0.5559 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 16.6398, 0.3122, 0.5559 by changing the saturation by 10% instead.


 16.6398, 0.3122,
0.5559


 16.6398, 0.3122,
0.5559


233.0880, 0.3211,
0.4156


 9.9780, 0.3027,
0.6011


 37.7054, 0.3194,
0.4973


 5.3844, 0.2882,
0.6755

 52.8780, 0.3207,
0.4777

 2.4745, 0.2428,
0.7572

 71.6564, 0.3213,
0.4620

 0.8638, 0.0000,
1.0000


 94.4249, 0.3216,
0.4492


 0.0000, 0.0000,
0.0000


 121.5679, 0.3216,
0.4386


 153.4698, 0.3215,


0.4297


 190.5151, 0.3213,
0.4222

 16.6398, 0.3122,
0.5559


 16.6398, 0.3122,
0.5559


 16.3649, 0.3095,
0.5768


 17.0080, 0.3143,
0.5290

 16.1705, 0.3066,
0.5912

 17.4749, 0.3156,
0.4982

 16.1226, 0.3060,
0.5952

 18.0480, 0.3162,
0.4654

 18.7332, 0.3162,
0.4326

 19.5362, 0.3157,
0.4012

■ 20.4623, 0.3148,
0.3720

■ 21.5164, 0.3136,
0.3456

■ 22.7031, 0.3123,
0.3220

■ 24.0268, 0.3109,
0.3012

Harmonies

Analogous

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



16.6398, 0.4177, 0.5285



16.6398, 0.3122, 0.5559



16.6398, 0.2120, 0.4681

Triad

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



16.6398, 0.3122, 0.5559



16.6398, 0.1365, 0.1715



16.6398, 0.5071, 0.2950

Complementary

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



16.6398, 0.3122, 0.5559



6.1164, 0.2913, 0.1559

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.



16.6398, 0.3957, 0.2298



16.6398, 0.3122, 0.5559



16.6398, 0.1838, 0.1625

Square

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



16.6398, 0.3122, 0.5559



16.6398, 0.1237, 0.2190



16.6398, 0.2722, 0.1830



16.6398, 0.5457, 0.3685

Rectangle

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



16.6398, 0.3122, 0.5559



16.6398, 0.1630, 0.3690



16.6398, 0.2722, 0.1830



16.6398, 0.4757, 0.2720

Sweetspot

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



16.6405, 0.3122, 0.5559



34.9341, 0.3154, 0.3910



16.7245, 0.4302, 0.4678



7.7987, 0.3156, 0.4002



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.6405, 0.3122, 0.5559



28.5639, 0.3073, 0.5874



16.6038, 0.2814, 0.4958



4.8493, 0.3139, 0.3511



15.4616, 0.3061, 0.5952



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.1164, 0.2913, 0.1559



9.0208, 0.2843, 0.1375



6.5319, 0.3910, 0.2162



4.3786, 0.3114, 0.3076



4.6750, 0.2819, 0.1327



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.6398, 0.3122, 0.5559 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 16.6398, 0.3122, 0.5559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

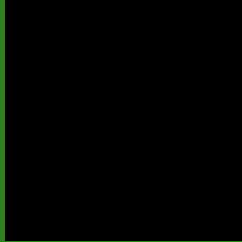
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6398, 0.3122, 0.5559

Background



This preview shows how black text looks on a background with the Yxy color 16.6398, 0.3122, 0.5559.



This preview shows how white text looks on a background with the Yxy color 16.6398, 0.3122, 0.5559.

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

16.6398, 0.3122, 0.5559

Protanopia

16.3969, 0.4290, 0.4739

Deuteranopia

16.3313, 0.4464, 0.4385



Tritanopia

16.5786, 0.2482, 0.3074

Trichromacy



Original Color

16.6398, 0.3122, 0.5559

Protanomaly

15.8695, 0.3795, 0.5090

Deuteranomaly

15.4530, 0.3892, 0.4853

Tritanomaly

16.2156, 0.2754, 0.4004

Monochromacy



Original Color

16.6398, 0.3122, 0.5559

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.2868, 0.3164, 0.4207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6398, 0.3122, 0.5559 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(46, 130, 30)` looks like.

```
.text, #text, p{  
    color:rgb(46, 130, 30)  
}
```

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(46, 130, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 130, 30) }
```

Border

The CSS property to change the border of an element to Yxy 16.6398, 0.3122, 0.5559 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(46, 130, 30) }
```

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

```
.border{ border-color:rgb(46, 130, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 130, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 130, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 130, 30);  
box-shadow:4px 4px 4px 4px rgb(46, 130,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6398, 0.3122, 0.5559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 130, 30) }
```

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

```
.background{ background-color: rgb(46, 130,  
30) }
```

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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