

Converting Colors

$Yxy(16.5838, 0.3463, 0.6032)$

Have a look what the booklet for
Yxy(16.5838, 0.3463, 0.6032)
contains.

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Color

Yxy(16.6926, 0.3350, 0.5722)

Conversions

Conversions Part 1

Format	Color
Hex	3D8100
RGB	61, 129, 0
RGB Percent	24%, 51%, 0%
CMY	0.7610, 0.4941, 0.9999
CMYK	0.53, 0.00, 1.00, 0.49
HSL	92°, 100%, 25%
HSV	92°, 100%, 51%
XYZ	9.7728, 16.6926, 2.7072
YIQ	93.9620, 0.8810, -54.5350

Conversions

Conversions Part 2

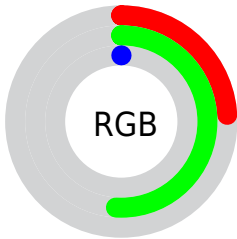
Format	Color
RYB	0, 129, 68
Decimal	4030720
CIELab	47.87, -41.06, 51.75
CIELCh	48, 66.059, 128.432
Yxy	16.6926, 0.3350, 0.5722
Android (android.graphics.Color)	4282220800 (0xFF3D8100)
YUV	93.9620, -46.3233, -28.9077
Hunter-Lab	40.8566, -28.8020, 24.6710

Details

The Yxy color **16.6926, 0.3350, 0.5722** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **2.8170, 0.2107, 0.0934**, and the grayscale version is **11.2940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9501, 0.3393, 0.5138**, and **5.5920, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.6929, 0.3350, 0.5722**, and if you desaturate by 10%, it is **16.9518, 0.3391, 0.5585**.

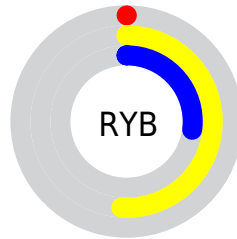
Distribution



Red (24%)

Green (51%)

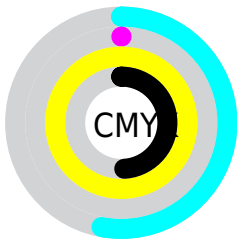
Blue (0%)



Red (0%)

Yellow (51%)

Blue (27%)

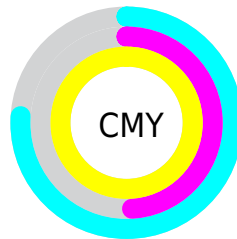


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (76%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6926, 0.3350, 0.5722 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 16.6926, 0.3350, 0.5722 by changing the saturation by 10% instead.


 16.6926, 0.3350,
0.5722


 16.6926, 0.3350,
0.5722


233.3946, 0.3335,
0.4251


 10.0156, 0.3263,
0.6155


 37.7965, 0.3394,
0.5127


 5.4093, 0.3132,
0.6868

 52.9921, 0.3393,
0.4921


 2.4893, 0.2609,
0.7391

 71.7961, 0.3386,
0.4754

 0.8713, 0.0000,
1.0000


 94.5928, 0.3376,
0.4616

 0.0000, 0.0000,
0.0000

 121.7666, 0.3366,
0.4502


 153.7019, 0.3355,


0.4405


 190.7831, 0.3345,
0.4322


 16.6926, 0.3350,
0.5722


 16.6926, 0.3350,
0.5722


 16.6929, 0.3350,
0.5722

 16.9518, 0.3391,
0.5585

 17.2549, 0.3420,
0.5412

 17.6131, 0.3430,
0.5191

 18.0307, 0.3420,
0.4932

 18.5109, 0.3394,
0.4650

■ 19.0571, 0.3353,
0.4358

■ 19.6721, 0.3303,
0.4069

■ 20.3587, 0.3247,
0.3792

■ 21.1195, 0.3187,
0.3531

Harmonies

Analogous

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



16.6926, 0.4430, 0.5190



16.6926, 0.3350, 0.5722



16.6926, 0.2272, 0.5099

Triad

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



16.6926, 0.3350, 0.5722



16.6926, 0.1234, 0.1713



16.6926, 0.4965, 0.2757

Complementary

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



16.6926, 0.3350, 0.5722



2.8170, 0.2107, 0.0934

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.



16.6926, 0.3686, 0.2119



16.6926, 0.3350, 0.5722



16.6926, 0.1632, 0.1548

Square

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



16.6926, 0.3350, 0.5722



16.6926, 0.1176, 0.2311



16.6926, 0.2444, 0.1695



16.6926, 0.5568, 0.3494

Rectangle

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



16.6926, 0.3350, 0.5722



16.6926, 0.1701, 0.4076



16.6926, 0.2444, 0.1695



16.6926, 0.4581, 0.2528

Sweetspot

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



16.6933, 0.3350, 0.5722



35.1407, 0.3307, 0.4090



8.6422, 0.5316, 0.4161



7.8639, 0.3325, 0.4191



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.



16.6933, 0.3350, 0.5722



29.8004, 0.3334, 0.5735



15.7074, 0.2996, 0.5984



4.9106, 0.3182, 0.3508



16.2762, 0.3351, 0.5722



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.8170, 0.2107, 0.0934



4.9518, 0.2085, 0.0922



6.1967, 0.3250, 0.1564



4.3146, 0.3068, 0.3073



2.7481, 0.2108, 0.0935



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.6926, 0.3350, 0.5722 looks on a white background.

Color Contrast Check

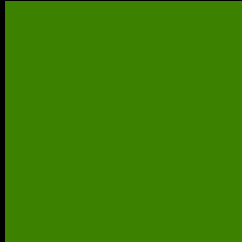
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6926, 0.3350, 0.5722 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 16.6926, 0.3350, 0.5722

Background



This preview shows how black text looks on a background with the Yxy color 16.6926, 0.3350, 0.5722.



This preview shows how white text looks on a background with the Yxy color 16.6926, 0.3350, 0.5722.

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

16.6926, 0.3350, 0.5722

Protanopia

16.3994, 0.4408, 0.4882

Deuteranopia

16.3453, 0.4579, 0.4506



Tritanopia

16.7069, 0.2574, 0.3078

Trichromacy



Original Color

16.6926, 0.3350, 0.5722

Protanomaly

16.1367, 0.3981, 0.5221

Deuteranomaly

15.8126, 0.4108, 0.4980

Tritanomaly

16.1682, 0.2963, 0.4233

Monochromacy



Original Color

16.6926, 0.3350, 0.5722

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.6355, 0.3364, 0.4449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6926, 0.3350, 0.5722 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(61, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 129, 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(61, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 129, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.6926, 0.3350, 0.5722 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(61, 129, 0) }
```

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

```
.border{ border-color:rgb(61, 129, 0) }
```

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

Here you see how a box with a 4 pixel rgb(61, 129, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(61, 129, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.6926, 0.3350, 0.5722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 129, 0) }
```

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

```
.background{ background-color: rgb(61, 129,  
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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