

Converting Colors

$Y_{xy}(16.2162, 0.3552, 0.5562)$

Have a look what the booklet for
Yxy(16.2162, 0.3552, 0.5562)
contains.

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Color

$Y_{xy}(16.2450, 0.3556, 0.5558)$

Conversions

Conversions Part 1

Format	Color
Hex	4D7D00
RGB	77, 125, 0
RGB Percent	30%, 49%, 0%
CMY	0.6981, 0.5098, 0.9997
CMYK	0.38, 0.00, 1.00, 0.51
HSL	83°, 100%, 25%
HSV	83°, 100%, 49%
XYZ	10.3935, 16.2450, 2.5896
YIQ	96.3980, 11.5170, -49.0510

Conversions

Conversions Part 2

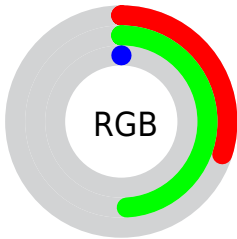
Format	Color
RYB	0, 125, 48
Decimal	5078272
CIELab	47.29, -33.72, 51.61
CIELCh	47, 61.652, 123.159
Yxy	16.2450, 0.3556, 0.5558
Android (android.graphics.Color)	4283268352 (0xFF4D7D00)
YUV	96.3980, -47.5242, -17.0120
Hunter-Lab	40.3051, -24.5039, 24.4042

Details

The Yxy color **16.2450, 0.3556, 0.5558** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **2.1129, 0.1853, 0.0795**, and the grayscale version is **11.9166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0362, 0.3548, 0.5014**, and **5.2027, 0.3197, 0.5843** is the 20% darker color. If you saturate the color by 10%, you get **16.2444, 0.3556, 0.5559**, and if you desaturate by 10%, it is **16.4808, 0.3583, 0.5435**.

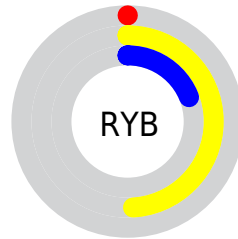
Distribution



Red (30%)

Green (49%)

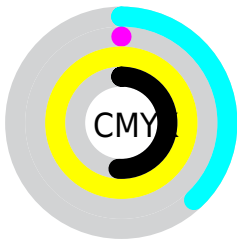
Blue (0%)



Red (0%)

Yellow (49%)

Blue (19%)

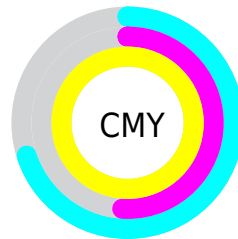


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (70%)


Magenta (51%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 16.2450, 0.3556, 0.5558 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 16.2450, 0.3556, 0.5558 by changing the saturation by 10% instead.


 16.2450, 0.3556,
0.5558


 16.2450, 0.3556,
0.5558


 230.7831, 0.3413,
0.4202


 9.6977, 0.3510,
0.5946


 37.0230, 0.3547,
0.5017


 5.1990, 0.3433,
0.6567

 52.0225, 0.3527,
0.4826

 2.3645, 0.2985,
0.7015

 70.6082, 0.3506,
0.4672

 0.8075, 0.0000,
1.0000

 93.1644, 0.3485,
0.4544


 0.0000, 0.0000,
0.0000

 120.0757, 0.3465,
0.4438


 151.7262, 0.3446,


0.4347

 188.5006, 0.3429,
0.4269


 16.2450, 0.3556,
0.5558

 16.2450, 0.3556,
0.5558

 16.2444, 0.3556,
0.5559

 16.4808, 0.3583,
0.5435

 16.7457, 0.3597,
0.5282

 17.0501, 0.3588,
0.5084

 17.3972, 0.3557,
0.4851

 17.7897, 0.3508,
0.4593

■ 18.2302, 0.3444,
0.4322

■ 18.7207, 0.3371,
0.4049

■ 19.2635, 0.3291,
0.3782

■ 19.8605, 0.3209,
0.3527

Harmonies

Analogous

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



16.2450, 0.4564, 0.4986



16.2450, 0.3556, 0.5558



16.2450, 0.2501, 0.5171

Triad

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



16.2450, 0.3556, 0.5558



16.2450, 0.1276, 0.1854



16.2450, 0.4679, 0.2674

Complementary

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



16.2450, 0.3556, 0.5558



2.1129, 0.1853, 0.0795

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.



16.2450, 0.3434, 0.2083



16.2450, 0.3556, 0.5558



16.2450, 0.1603, 0.1625

Square

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



16.2450, 0.3556, 0.5558



16.2450, 0.1283, 0.2532



16.2450, 0.2313, 0.1716



16.2450, 0.5404, 0.3381

Rectangle

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



16.2450, 0.3556, 0.5558



16.2450, 0.1906, 0.4297



16.2450, 0.2313, 0.1716



16.2450, 0.4288, 0.2458

Sweetspot

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



16.2457, 0.3556, 0.5558



33.4495, 0.3377, 0.4070



6.4713, 0.5685, 0.3867



7.5380, 0.3403, 0.4164



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.2457, 0.3556, 0.5558



29.0017, 0.3542, 0.5570



14.7672, 0.3041, 0.5967



4.9395, 0.3202, 0.3507



16.9488, 0.3555, 0.5560



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.1129, 0.1853, 0.0795



3.6994, 0.1829, 0.0781



4.8249, 0.2926, 0.1386



4.2860, 0.3048, 0.3071



2.1985, 0.1850, 0.0793



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.2450, 0.3556, 0.5558 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 16.2450, 0.3556, 0.5558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

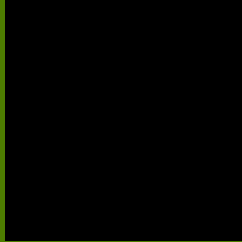
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2450, 0.3556, 0.5558

Background



This preview shows how black text looks on a background with the Yxy color 16.2450, 0.3556, 0.5558.



This preview shows how white text looks on a background with the Yxy color 16.2450, 0.3556, 0.5558.

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

16.2450, 0.3556, 0.5558

Protanopia

16.0240, 0.4396, 0.4892

Deuteranopia

16.0410, 0.4594, 0.4517



Tritanopia

16.1956, 0.2730, 0.3101

Trichromacy



Original Color

16.2450, 0.3556, 0.5558

Protanomaly

15.9107, 0.4065, 0.5155

Deuteranomaly

15.6992, 0.4212, 0.4909

Tritanomaly

15.7513, 0.3157, 0.4185

Monochromacy



Original Color

16.2450, 0.3556, 0.5558

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.9762, 0.3455, 0.4387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2450, 0.3556, 0.5558 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(77, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(77, 125, 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(77, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 125, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.2450, 0.3556, 0.5558 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(77, 125, 0) }
```

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

```
.border{ border-color:rgb(77, 125, 0) }
```

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

Here you see how a box with a 4 pixel rgb(77, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(77, 125, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2450, 0.3556, 0.5558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 125, 0) }
```

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

```
.background{ background-color: rgb(77, 125,  
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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