

Converting Colors

$Y_{xy}(16.7579, 0.4280, 0.4758)$

Have a look what the booklet for
Yxy(16.7579, 0.4280, 0.4758)
contains.

Yxy(16.6212, 0.4276, 0.4752)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(16.6212, 0.4276, 0.4752)$

Conversions

Conversions Part 1

Format	Color
Hex	7F721A
RGB	127, 114, 26
RGB Percent	50%, 45%, 10%
CMY	0.5020, 0.5529, 0.8979
CMYK	0.00, 0.10, 0.79, 0.50
HSL	52°, 66%, 30%
HSV	52°, 79%, 50%
XYZ	14.9563, 16.6212, 3.3998
YIQ	107.8550, 35.9960, -24.6120

Conversions

Conversions Part 2

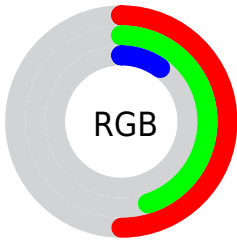
Format	Color
R_{YB}	41, 127, 26
Decimal	8352282
CIE _{Lab}	47.78, -4.97, 46.99
CIE _{LCh}	48, 47.248, 96.040
Yxy	16.6212, 0.4276, 0.4752
Android (android.graphics.Color)	4286542362 (0xFF7F721A)
YUV	107.8550, -40.3545, 16.7902
Hunter-Lab	40.7691, -5.8626, 23.5941

Details

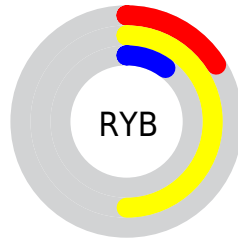
The Yxy color **16.6212, 0.4276, 0.4752** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.2062, 0.1741, 0.1120**, and the grayscale version is **15.0628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8898, 0.4057, 0.4451**, and **5.3923, 0.4398, 0.4890** is the 20% darker color. If you saturate the color by 10%, you get **16.2117, 0.4361, 0.4822**, and if you desaturate by 10%, it is **17.0641, 0.4166, 0.4641**.

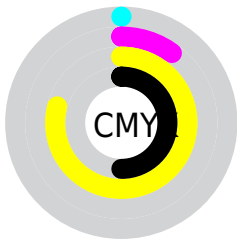
Distribution



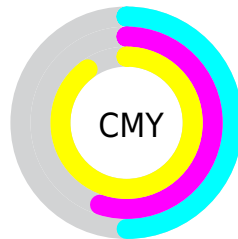
- Red (50%)
- Green (45%)
- Blue (10%)



- Red (16%)
- Yellow (50%)
- Blue (10%)



- Cyan (0%)
- Magenta (10%)
- Yellow (79%)
- Black (50%)



- Cyan (50%)
- Magenta (55%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6212, 0.4276, 0.4752 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 16.6212, 0.4276, 0.4752 by changing the saturation by 10% instead.

16.6212, 0.4276,
0.4752

16.6212, 0.4276,
0.4752

232.9799, 0.3665,
0.3944

9.9648, 0.4406,
0.4947

37.6733, 0.4059,
0.4452

5.3756, 0.4644,
0.5293

52.8378, 0.3974,
0.4339

2.4693, 0.4613,
0.5387

71.6072, 0.3902,
0.4245

0.8612, 0.4474,
0.5526

94.3657, 0.3840,
0.4165

0.0000, 0.0000,
0.0000

121.4979, 0.3787,
0.4097

153.3880, 0.3740,

0.4039

190.4206, 0.3700,
0.3988

16.6212, 0.4276,
0.4752

16.6212, 0.4276,
0.4752

16.2117, 0.4361,
0.4822

17.0641, 0.4166,
0.4641

15.8242, 0.4428,
0.4862

17.5410, 0.4036,
0.4494

15.8046, 0.4431,
0.4864

18.0553, 0.3890,
0.4317

18.6092, 0.3734,
0.4120

19.2048, 0.3575,
0.3910

■ 19.8441, 0.3417,
0.3696

■ 20.5288, 0.3265,
0.3485

■ 21.2606, 0.3120,
0.3280

■ 22.0411, 0.2985,
0.3085

Harmonies

Analogous

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



16.6212, 0.4833, 0.4153



16.6212, 0.4276, 0.4752



16.6212, 0.3464, 0.5018

Triad

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



16.6212, 0.4276, 0.4752



16.6212, 0.1619, 0.2668



16.6212, 0.3475, 0.2361

Complementary

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



16.6212, 0.4276, 0.4752



3.2062, 0.1741, 0.1120

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.



16.6212, 0.2573, 0.2027



16.6212, 0.4276, 0.4752



16.6212, 0.1626, 0.2125

Square

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



16.6212, 0.4276, 0.4752



16.6212, 0.1945, 0.3591



16.6212, 0.1940, 0.1935



16.6212, 0.4393, 0.2879

Rectangle

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



16.6212, 0.4276, 0.4752



16.6212, 0.2885, 0.4814



16.6212, 0.1940, 0.1935



16.6212, 0.3155, 0.2225

Sweetspot

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



16.6220, 0.4276, 0.4752



34.9461, 0.3497, 0.3805



5.4026, 0.5456, 0.3104



8.1015, 0.3545, 0.3870



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.



16.6220, 0.4276, 0.4752



28.4966, 0.4409, 0.4847



17.4256, 0.3620, 0.5260



4.9280, 0.3259, 0.3476



15.9388, 0.4431, 0.4864



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.2062, 0.1741, 0.1120



3.6546, 0.1562, 0.0772



3.3319, 0.2086, 0.1111



4.2941, 0.2993, 0.3097



1.9283, 0.1536, 0.0731



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.6212, 0.4276, 0.4752 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 16.6212, 0.4276, 0.4752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

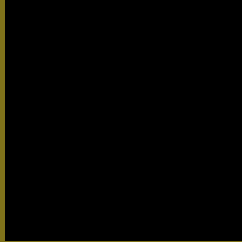
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6212, 0.4276, 0.4752

Background



This preview shows how black text looks on a background with the Yxy color 16.6212, 0.4276, 0.4752.



This preview shows how white text looks on a background with the Yxy color 16.6212, 0.4276, 0.4752.

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

16.6212, 0.4276, 0.4752

Protanopia

16.6984, 0.4290, 0.4743

Deuteranopia

16.6535, 0.4565, 0.4495



Tritanopia

16.5095, 0.3400, 0.3142

Trichromacy



Original Color

16.6212, 0.4276, 0.4752

Protanomaly

16.6984, 0.4290, 0.4743

Deuteranomaly

16.5541, 0.4460, 0.4585

Tritanomaly

16.3718, 0.3802, 0.3807

Monochromacy



Original Color

16.6212, 0.4276, 0.4752

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.3468, 0.3614, 0.3955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6212, 0.4276, 0.4752 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 $rgb(127, 114, 26)$ looks like.

```
.text, #text, p{  
    color:rgb(127, 114, 26)  
}
```

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(127, 114, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 114, 26) }
```

Border

The CSS property to change the border of an element to Yxy 16.6212, 0.4276, 0.4752 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(127, 114, 26) }
```

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

```
.border{ border-color:rgb(127, 114, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 114, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 114, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 114, 26);  
box-shadow:4px 4px 4px 4px rgb(127, 114,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6212, 0.4276, 0.4752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 114, 26) }
```

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

```
.background{ background-color: rgb(127,  
114, 26) }
```

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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