

Converting Colors

$Y_{xy}(16.4639, 0.4603, 0.4525)$

Have a look what the booklet for
Yxy(16.4639, 0.4603, 0.4525)
contains.

Yxy(16.4210, 0.4612, 0.4521)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.4210, 0.4612, 0.4521)

Conversions

Conversions Part 1

Format	Color
Hex	8F6B18
RGB	143, 107, 24
RGB Percent	56%, 42%, 9%
CMY	0.4392, 0.5804, 0.9060
CMYK	0.00, 0.25, 0.83, 0.44
HSL	42°, 71%, 33%
HSV	42°, 83%, 56%
XYZ	16.7515, 16.4210, 3.1491
YIQ	108.3020, 48.0990, -18.1810

Conversions

Conversions Part 2

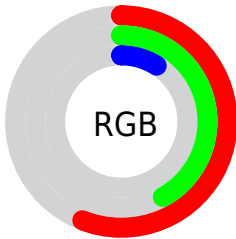
Format	Color
R_{YB}	76, 143, 24
Decimal	9399064
CIE _{Lab}	47.52, 6.53, 48.13
CIE _{LCh}	48, 48.571, 82.272
Yxy	16.4210, 0.4612, 0.4521
Android (android.graphics.Color)	4287589144 (0xFF8F6B18)
YUV	108.3020, -41.5609, 30.4301
Hunter-Lab	40.5228, 2.8742, 23.7585

Details

The Yxy color **16.4210, 0.4612, 0.4521** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.4073, 0.1781, 0.1386**, and the grayscale version is **15.1944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2549, 0.4310, 0.4299**, and **5.3556, 0.4851, 0.4530** is the 20% darker color. If you saturate the color by 10%, you get **15.4975, 0.4749, 0.4543**, and if you desaturate by 10%, it is **17.4225, 0.4448, 0.4453**.

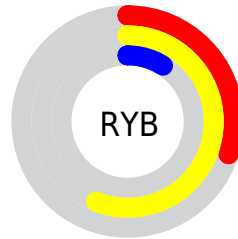
Distribution



Red (56%)

Green (42%)

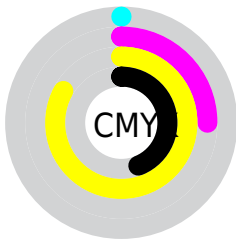
Blue (9%)



Red (30%)

Yellow (56%)

Blue (9%)

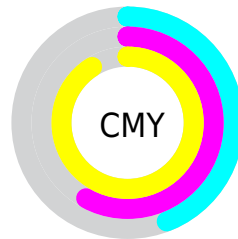


Cyan (0%)

Magenta (25%)

Yellow (83%)

Black (44%)



Cyan (44%)


Magenta (58%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4210, 0.4612, 0.4521 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 16.4210, 0.4612, 0.4521 by changing the saturation by 10% instead.


 16.4210, 0.4612,
0.4521


 16.4210, 0.4612,
0.4521


231.8133, 0.3801,
0.3883


 9.8226, 0.4801,
0.4645


 37.3276, 0.4316,
0.4302

 5.2815, 0.5130,
0.4870

 52.4044, 0.4203,
0.4214

 2.4133, 0.5204,
0.4796

 71.0763, 0.4108,
0.4137

 0.8327, 0.5344,
0.4656

 93.7274, 0.4027,
0.4072


 0.0000, 0.0000,
0.0000


 120.7423, 0.3958,
0.4015

 152.5053, 0.3899,


0.3965


 189.4009, 0.3847,
0.3922

 16.4210, 0.4612,
0.4521

 16.4210, 0.4612,
0.4521


 15.4975, 0.4749,
0.4543


 17.4225, 0.4448,
0.4453

 14.9067, 0.4835,
0.4543

 18.5046, 0.4264,
0.4343

 19.6722, 0.4070,
0.4203

 20.9293, 0.3874,
0.4041

 22.2792, 0.3683,
0.3867

■ 23.7251, 0.3500,
0.3689

■ 25.2701, 0.3330,
0.3513

■ 26.9170, 0.3175,
0.3343

■ 28.6683, 0.3033,
0.3182

Harmonies

Analogous

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



16.4210, 0.4994, 0.3857



16.4210, 0.4612, 0.4521



16.4210, 0.3867, 0.5014

Triad

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



16.4210, 0.4612, 0.4521



16.4210, 0.1687, 0.3039



16.4210, 0.3033, 0.2152

Complementary

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



16.4210, 0.4612, 0.4521



5.4073, 0.1781, 0.1386

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.



16.4210, 0.2217, 0.1919



16.4210, 0.4612, 0.4521



16.4210, 0.1545, 0.2295

Square

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



16.4210, 0.4612, 0.4521



16.4210, 0.2183, 0.4102



16.4210, 0.1723, 0.1949



16.4210, 0.4023, 0.2604

Rectangle

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



16.4210, 0.4612, 0.4521



16.4210, 0.3280, 0.5052



16.4210, 0.1723, 0.1949



16.4210, 0.2729, 0.2048

Sweetspot

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



16.4218, 0.4612, 0.4521



41.8722, 0.3541, 0.3729



6.8369, 0.5104, 0.2788



9.4138, 0.3598, 0.3785



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



16.4218, 0.4612, 0.4521



26.3797, 0.4851, 0.4530



23.7927, 0.3874, 0.5149



6.0137, 0.3265, 0.3443



13.2159, 0.4831, 0.4546



0.1652, 0.4485, 0.4821

Inverse Universe

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



5.4073, 0.1781, 0.1386



6.4104, 0.1612, 0.1002



3.2117, 0.1784, 0.0895



5.5045, 0.2990, 0.3132



3.3314, 0.1624, 0.1046



0.0670, 0.1846, 0.1845

Previews

White Background



This preview shows how the Yxy color 16.4210, 0.4612, 0.4521 looks on a white background.

Color Contrast Check

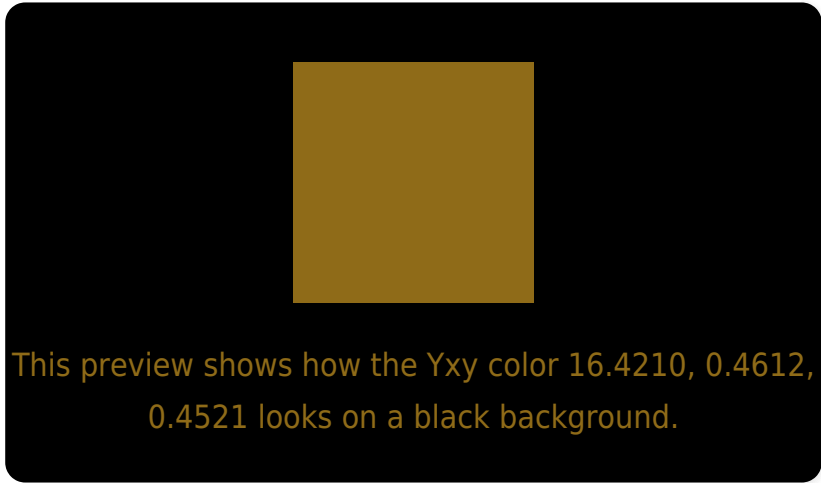
Large Text (above 18pt) WCAG AA ✓ Pass

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

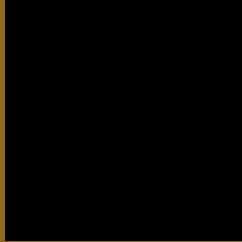
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4210, 0.4612, 0.4521

Background



This preview shows how black text looks on a background with the Yxy color 16.4210, 0.4612, 0.4521.



This preview shows how white text looks on a background with the Yxy color 16.4210, 0.4612, 0.4521.

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

16.4210, 0.4612, 0.4521

Protanopia

16.3969, 0.4290, 0.4739

Deuteranopia

16.3321, 0.4598, 0.4530



Tritanopia

16.4718, 0.3738, 0.3170

Trichromacy



Original Color

16.4210, 0.4612, 0.4521

Protanomaly

16.4256, 0.4409, 0.4662

Deuteranomaly

16.3321, 0.4598, 0.4530

Tritanomaly

16.3473, 0.4137, 0.3748

Monochromacy



Original Color

16.4210, 0.4612, 0.4521

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.3259, 0.3728, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4210, 0.4612, 0.4521 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 $rgb(143, 107, 24)$ looks like.

```
.text, #text, p{  
    color:rgb(143, 107, 24)  
}
```

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(143, 107, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 107, 24) }
```

Border

The CSS property to change the border of an element to Yxy 16.4210, 0.4612, 0.4521 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(143, 107, 24) }
```

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

```
.border{ border-color:rgb(143, 107, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 107, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 107, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 107, 24);  
box-shadow:4px 4px 4px 4px rgb(143, 107,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4210, 0.4612, 0.4521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 107, 24) }
```

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

```
.background{ background-color: rgb(143,  
107, 24) }
```

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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