

Converting Colors

$Y_{xy}(16.1645, 0.5082, 0.4162)$

Have a look what the booklet for
Yxy(16.1645, 0.5082, 0.4162)
contains.

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Color

Yxy(16.2497, 0.5073, 0.4168)

Conversions

Conversions Part 1

Format	Color
Hex	A55F18
RGB	165, 95, 24
RGB Percent	65%, 37%, 9%
CMY	0.3528, 0.6275, 0.9058
CMYK	0.00, 0.42, 0.85, 0.35
HSL	30°, 75%, 37%
HSV	30°, 85%, 65%
XYZ	19.7780, 16.2497, 2.9591
YIQ	107.8360, 64.5110, -7.2410

Conversions

Conversions Part 2

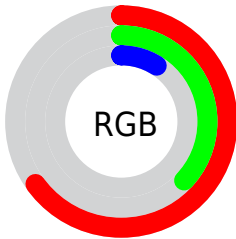
Format	Color
RYB	163, 165, 24
Decimal	10837784
CIELab	47.30, 23.44, 49.01
CIELCh	47, 54.327, 64.435
Yxy	16.2497, 0.5073, 0.4168
Android (android.graphics.Color)	4289027864 (0xFFA55F18)
YUV	107.8360, -41.3311, 50.1328
Hunter-Lab	40.3109, 17.0345, 23.8653

Details

The Yxy color **16.2497, 0.5073, 0.4168** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.9265, 0.1887, 0.1845**, and the grayscale version is **15.0531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0733, 0.4669, 0.4063**, and **5.2397, 0.5479, 0.4032** is the 20% darker color. If you saturate the color by 10%, you get **14.8014, 0.5290, 0.4131**, and if you desaturate by 10%, it is **17.8963, 0.4823, 0.4153**.

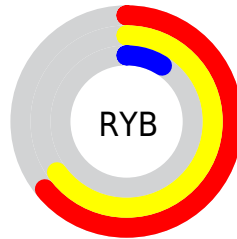
Distribution



Red (65%)

Green (37%)

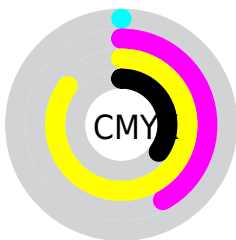
Blue (9%)



Red (64%)

Yellow (65%)

Blue (9%)

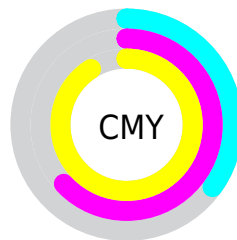


Cyan (0%)

Magenta (42%)

Yellow (85%)

Black (35%)



Cyan (35%)


Magenta (63%)

Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2497, 0.5073, 0.4168 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 16.2497, 0.5073, 0.4168 by changing the saturation by 10% instead.

 16.2497, 0.5073,
0.4168


 16.2497, 0.5073,
0.4168


 230.8107, 0.3991,
0.3782


 9.7010, 0.5339,
0.4197


 37.0312, 0.4670,
0.4064


 5.2012, 0.5755,
0.4245


 52.0327, 0.4520,
0.4012


 2.3658, 0.5994,
0.4006


 70.6207, 0.4394,
0.3963

 0.8082, 0.6414,
0.3586

 93.1795, 0.4287,
0.3919

 0.0000, 1.0000,
0.0000

 120.0935, 0.4197,
0.3879

 0.0000, 0.0000,
0.0000

 151.7471, 0.4119,

0.3843

188.5247, 0.4051,
0.3811

16.2497, 0.5073,
0.4168

16.2497, 0.5073,
0.4168

14.8014, 0.5290,
0.4131

17.8963, 0.4823,
0.4153

14.1977, 0.5385,
0.4106

19.7501, 0.4556,
0.4092

21.8218, 0.4287,
0.3996

24.1203, 0.4029,
0.3878

26.6539, 0.3790,
0.3748

■ 29.4302, 0.3574,
0.3614

■ 32.4565, 0.3381,
0.3482

■ 35.7398, 0.3211,
0.3356

■ 39.2867, 0.3062,
0.3237

Harmonies

Analogous

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



16.2497, 0.5165, 0.3444



16.2497, 0.5073, 0.4168



16.2497, 0.4433, 0.4887

Triad

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



16.2497, 0.5073, 0.4168



16.2497, 0.1807, 0.3692



16.2497, 0.2440, 0.1864

Complementary

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



16.2497, 0.5073, 0.4168



10.9265, 0.1887, 0.1845

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.



16.2497, 0.1763, 0.1772



16.2497, 0.5073, 0.4168



16.2497, 0.1443, 0.2600

Square

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



16.2497, 0.5073, 0.4168



16.2497, 0.2558, 0.4874



16.2497, 0.1441, 0.1985



16.2497, 0.3458, 0.2216

Rectangle

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



16.2497, 0.5073, 0.4168



16.2497, 0.3840, 0.5229



16.2497, 0.1441, 0.1985



16.2497, 0.2173, 0.1803

Sweetspot

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



16.2506, 0.5073, 0.4168



52.1579, 0.3595, 0.3628



9.4734, 0.4592, 0.2431



11.0407, 0.3664, 0.3672



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



16.2506, 0.5073, 0.4168



25.0119, 0.5412, 0.4085



34.9867, 0.4151, 0.4983



7.6475, 0.3273, 0.3403



10.8376, 0.5370, 0.4118



0.3222, 0.4845, 0.4535

Inverse Universe

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



10.9265, 0.1887, 0.1845



15.2533, 0.1764, 0.1550



3.5659, 0.1596, 0.0759



7.4138, 0.2987, 0.3174



6.7147, 0.1777, 0.1598



0.2356, 0.1963, 0.2265

Previews

White Background



This preview shows how the Yxy color 16.2497, 0.5073, 0.4168 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 16.2497, 0.5073, 0.4168 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 16.2497, 0.5073, 0.4168

Background



This preview shows how black text looks on a background with the Yxy color 16.2497, 0.5073, 0.4168.



This preview shows how white text looks on a background with the Yxy color 16.2497, 0.5073, 0.4168.

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

16.2497, 0.5073, 0.4168

Protanopia

16.4110, 0.4271, 0.4711

Deuteranopia

16.3066, 0.4635, 0.4577



Tritanopia

16.2958, 0.4280, 0.3201

Trichromacy



Original Color

16.2497, 0.5073, 0.4168

Protanomaly

16.0499, 0.4581, 0.4501

Deuteranomaly

16.2350, 0.4788, 0.4429

Tritanomaly

16.1273, 0.4660, 0.3622

Monochromacy



Original Color

16.2497, 0.5073, 0.4168

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.9034, 0.3884, 0.3798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2497, 0.5073, 0.4168 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(165, 95, 24)` looks like.

```
.text, #text, p{  
  color:rgb(165, 95, 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(165, 95, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 95, 24) }
```

Border

The CSS property to change the border of an element to Yxy 16.2497, 0.5073, 0.4168 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(165, 95, 24) }
```

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

```
.border{ border-color:rgb(165, 95, 24) }
```

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

Here you see how a box with a 4 pixel rgb(165, 95, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 95, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 95, 24);  
box-shadow:4px 4px 4px 4px rgb(165, 95,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2497, 0.5073, 0.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 95, 24) }
```

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

```
.background{ background-color: rgb(165, 95,  
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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