

Converting Colors

$Y_{xy}(18.0585, 0.4840, 0.4265)$

Have a look what the booklet for
Yxy(18.0585, 0.4840, 0.4265)
contains.

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Color

Yxy(17.9940, 0.4841, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	A36920
RGB	163, 105, 32
RGB Percent	64%, 41%, 13%
CMY	0.3608, 0.5882, 0.8746
CMYK	0.00, 0.36, 0.80, 0.36
HSL	33°, 67%, 38%
HSV	33°, 80%, 64%
XYZ	20.4146, 17.9940, 3.7616
YIQ	114.0200, 58.0010, -10.4070

Conversions

Conversions Part 2

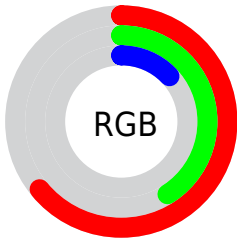
Format	Color
R_{YB}	136, 163, 32
Decimal	10709280
CIE _{Lab}	49.49, 17.16, 47.77
CIE _{LCh}	49, 50.761, 70.246
Yxy	17.9940, 0.4841, 0.4267
Android (android.graphics.Color)	4288899360 (0xFFA36920)
YUV	114.0200, -40.4359, 42.9555
Hunter-Lab	42.4193, 11.6704, 24.4359

Details

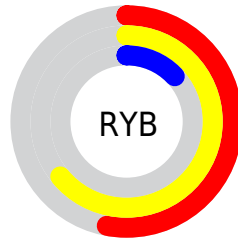
The Yxy color **17.9940, 0.4841, 0.4267** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.2544, 0.1899, 0.1794**, and the grayscale version is **16.9440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9157, 0.4495, 0.4122**, and **6.0903, 0.5204, 0.4250** is the 20% darker color. If you saturate the color by 10%, you get **16.5195, 0.5050, 0.4269**, and if you desaturate by 10%, it is **19.6388, 0.4607, 0.4216**.

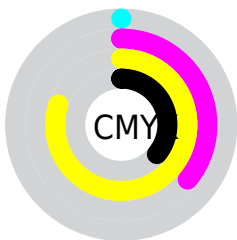
Distribution



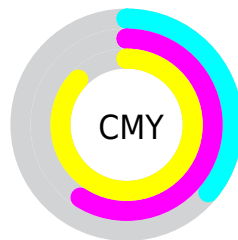
- Red (64%)
- Green (41%)
- Blue (13%)



- Red (53%)
- Yellow (64%)
- Blue (13%)



- Cyan (0%)
- Magenta (36%)
- Yellow (80%)
- Black (36%)




- Cyan (36%)
- Magenta (59%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9940, 0.4841, 0.4267 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 17.9940, 0.4841, 0.4267 by changing the saturation by 10% instead.


 17.9940, 0.4841,
0.4267


 17.9940, 0.4841,
0.4267


240.8372, 0.3899,
0.3803


 10.9457, 0.5072,
0.4335


 40.0271, 0.4492,
0.4123


 6.0303, 0.5414,
0.4429

 55.7807, 0.4361,
0.4059


 2.8635, 0.5666,
0.4334

 75.2048, 0.4251,
0.4002

 1.0609, 0.5950,
0.4050

 98.6838, 0.4158,
0.3952

 0.0000, 1.0000,
0.0000

 126.6022, 0.4079,
0.3908

 0.0000, 0.0000,
0.0000

 159.3443, 0.4011,

0.3869

197.2945, 0.3951,
0.3834

17.9940, 0.4841,
0.4267

17.9940, 0.4841,
0.4267

16.5195, 0.5050,
0.4269

19.6388, 0.4607,
0.4216

15.2441, 0.5227,
0.4231

21.4598, 0.4361,
0.4124

23.4657, 0.4117,
0.4004

25.6635, 0.3883,
0.3866

28.0597, 0.3665,
0.3720

■ 30.6606, 0.3468,
0.3574

■ 33.4718, 0.3290,
0.3431

■ 36.4990, 0.3133,
0.3295

■ 39.7474, 0.2994,
0.3168

Harmonies

Analogous

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



17.9940, 0.5016, 0.3588



17.9940, 0.4841, 0.4267



17.9940, 0.4204, 0.4876

Triad

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



17.9940, 0.4841, 0.4267



17.9940, 0.1826, 0.3447



17.9940, 0.2665, 0.2016

Complementary

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



17.9940, 0.4841, 0.4267



10.2544, 0.1899, 0.1794

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.



17.9940, 0.1966, 0.1882



17.9940, 0.4841, 0.4267



17.9940, 0.1545, 0.2532

Square

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



17.9940, 0.4841, 0.4267



17.9940, 0.2467, 0.4527



17.9940, 0.1599, 0.2030



17.9940, 0.3632, 0.2390

Rectangle

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



17.9940, 0.4841, 0.4267



17.9940, 0.3640, 0.5092



17.9940, 0.1599, 0.2030



17.9940, 0.2395, 0.1943

Sweetspot

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



17.9949, 0.4841, 0.4267



52.9823, 0.3545, 0.3633



9.5710, 0.4621, 0.2527



11.5457, 0.3613, 0.3683



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.



17.9949, 0.4841, 0.4267



27.8183, 0.5182, 0.4237



33.4061, 0.4056, 0.4991



7.7101, 0.3272, 0.3415



11.9409, 0.5215, 0.4241



0.3432, 0.4758, 0.4604

Inverse Universe

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



10.2544, 0.1899, 0.1794



13.5969, 0.1744, 0.1450



4.0975, 0.1688, 0.0871



7.3517, 0.2987, 0.3161



5.7581, 0.1729, 0.1425



0.2147, 0.1926, 0.2135

Previews

White Background



This preview shows how the Yxy color 17.9940, 0.4841, 0.4267 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 17.9940, 0.4841, 0.4267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

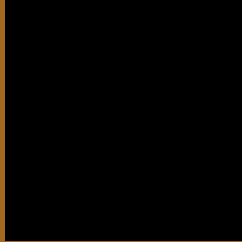
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9940, 0.4841, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 17.9940, 0.4841, 0.4267.



This preview shows how white text looks on a background with the Yxy color 17.9940, 0.4841, 0.4267.

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

17.9940, 0.4841, 0.4267

Protanopia

17.9837, 0.4235, 0.4673

Deuteranopia

18.0666, 0.4585, 0.4499



Tritanopia

17.9708, 0.4048, 0.3183

Trichromacy



Original Color

17.9940, 0.4841, 0.4267

Protanomaly

17.7654, 0.4458, 0.4520

Deuteranomaly

17.9010, 0.4686, 0.4408

Tritanomaly

17.9644, 0.4417, 0.3648

Monochromacy



Original Color

17.9940, 0.4841, 0.4267

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.9145, 0.3777, 0.3803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9940, 0.4841, 0.4267 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(163, 105, 32)` looks like.

```
.text, #text, p{  
    color:rgb(163, 105, 32)  
}
```

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(163, 105, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 105, 32) }
```

Border

The CSS property to change the border of an element to Yxy 17.9940, 0.4841, 0.4267 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(163, 105, 32) }
```

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

```
.border{ border-color:rgb(163, 105, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 105, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 105, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 105, 32);  
box-shadow:4px 4px 4px 4px rgb(163, 105,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9940, 0.4841, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 105, 32) }
```

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

```
.background{ background-color: rgb(163,  
105, 32) }
```

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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