

Converting Colors

$Y_{xy}(18.7276, 0.4351, 0.4625)$

Have a look what the booklet for
Yxy(18.7276, 0.4351, 0.4625)
contains.

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Color

Yxy(18.6421, 0.4357, 0.4623)

Conversions

Conversions Part 1

Format	Color
Hex	8C7621
RGB	140, 118, 33
RGB Percent	55%, 46%, 13%
CMY	0.4510, 0.5373, 0.8705
CMYK	0.00, 0.16, 0.76, 0.45
HSL	48°, 62%, 34%
HSV	48°, 76%, 55%
XYZ	17.5695, 18.6421, 4.1131
YIQ	114.8880, 40.3970, -21.7710

Conversions

Conversions Part 2

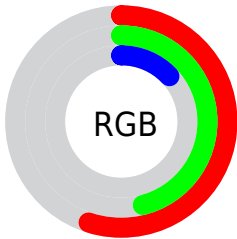
Format	Color
R_{YB}	61, 140, 33
Decimal	9205281
CIE Lab	50.27, -0.80, 47.14
CIE LCh	50, 47.151, 90.978
Yxy	18.6421, 0.4357, 0.4623
Android (android.graphics.Color)	4287395361 (0xFF8C7621)
YUV	114.8880, -40.3708, 22.0232
Hunter-Lab	43.1765, -2.9233, 24.5754

Details

The Yxy color **18.6421, 0.4357, 0.4623** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.9535, 0.1814, 0.1335**, and the grayscale version is **17.2258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1253, 0.4115, 0.4368**, and **6.3588, 0.4534, 0.4782** is the 20% darker color. If you saturate the color by 10%, you get **17.9121, 0.4475, 0.4693**, and if you desaturate by 10%, it is **19.4273, 0.4215, 0.4511**.

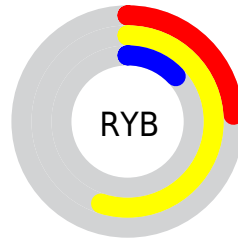
Distribution



Red (55%)

Green (46%)

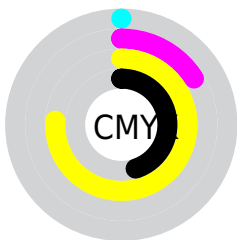
Blue (13%)



Red (24%)

Yellow (55%)

Blue (13%)

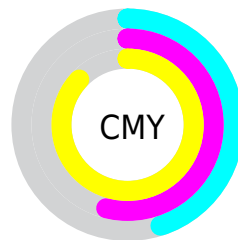


Cyan (0%)

Magenta (16%)

Yellow (76%)

Black (45%)



Cyan (45%)

Magenta (54%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6421, 0.4357, 0.4623 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 18.6421, 0.4357, 0.4623 by changing the saturation by 10% instead.


 18.6421, 0.4357,
0.4623


 18.6421, 0.4357,
0.4623


244.4658, 0.3702,
0.3909


 11.4120, 0.4505,
0.4787


 41.1285, 0.4121,
0.4364


 6.3446, 0.4708,
0.5014


 57.1534, 0.4030,
0.4265


 3.0558, 0.4834,
0.5166

 76.8788, 0.3953,
0.4181

 1.1609, 0.4820,
0.5180

 100.6891, 0.3888,
0.4110

 0.0294, 0.2207,
0.7793

 128.9685, 0.3831,
0.4049

 0.0000, 0.0000,
0.0000

 162.1014, 0.3782,

0.3996

200.4724, 0.3739,
0.3949

18.6421, 0.4357,
0.4623

18.6421, 0.4357,
0.4623

17.9121, 0.4475,
0.4693

19.4273, 0.4215,
0.4511

17.2284, 0.4568,
0.4722

20.2688, 0.4056,
0.4364

16.9898, 0.4600,
0.4730

21.1707, 0.3886,
0.4191

22.1361, 0.3713,
0.4001

23.1677, 0.3541,
0.3803

■ 24.2679, 0.3376,
0.3604

■ 25.4392, 0.3221,
0.3410

■ 26.6837, 0.3077,
0.3224

■ 28.0036, 0.2944,
0.3049

Harmonies

Analogous

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



18.6421, 0.4825, 0.4029



18.6421, 0.4357, 0.4623



18.6421, 0.3601, 0.4946

Triad

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



18.6421, 0.4357, 0.4623



18.6421, 0.1698, 0.2823



18.6421, 0.3307, 0.2322

Complementary

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



18.6421, 0.4357, 0.4623



4.9535, 0.1814, 0.1335

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.



18.6421, 0.2469, 0.2034



18.6421, 0.4357, 0.4623



18.6421, 0.1650, 0.2230

Square

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



18.6421, 0.4357, 0.4623



18.6421, 0.2076, 0.3752



18.6421, 0.1906, 0.1989



18.6421, 0.4211, 0.2802

Rectangle

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



18.6421, 0.4357, 0.4623



18.6421, 0.3040, 0.4828



18.6421, 0.1906, 0.1989



18.6421, 0.3005, 0.2202

Sweetspot

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



18.6430, 0.4357, 0.4623



41.3953, 0.3492, 0.3745



6.9531, 0.5139, 0.2958



9.3972, 0.3547, 0.3810



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



18.6430, 0.4357, 0.4623



30.6632, 0.4546, 0.4717



22.1640, 0.3725, 0.5144



5.6732, 0.3262, 0.3463



15.1228, 0.4597, 0.4732



0.1208, 0.4377, 0.4907

Inverse Universe

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



4.9535, 0.1814, 0.1335



5.6113, 0.1616, 0.0942



4.0511, 0.2008, 0.1107



5.0482, 0.2991, 0.3111



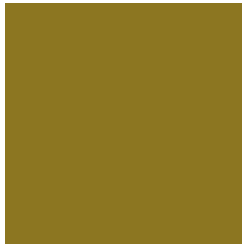
2.4791, 0.1568, 0.0844



0.0340, 0.1754, 0.1514

Previews

White Background



This preview shows how the Yxy color 18.6421, 0.4357, 0.4623 looks on a white background.

Color Contrast Check

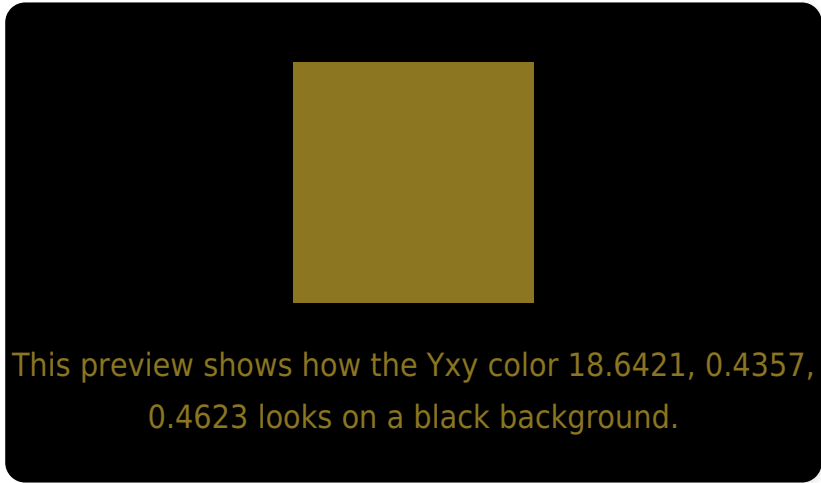
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

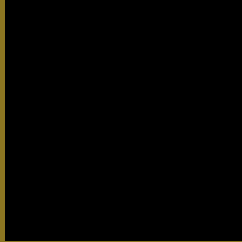
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6421, 0.4357, 0.4623

Background



This preview shows how black text looks on a background with the Yxy color 18.6421, 0.4357, 0.4623.



This preview shows how white text looks on a background with the Yxy color 18.6421, 0.4357, 0.4623.

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

18.6421, 0.4357, 0.4623

Protanopia

18.6168, 0.4244, 0.4693

Deuteranopia

18.6400, 0.4529, 0.4467



Tritanopia

18.5948, 0.3501, 0.3136

Trichromacy



Original Color

18.6421, 0.4357, 0.4623

Protanomaly

18.5434, 0.4284, 0.4662

Deuteranomaly

18.4880, 0.4470, 0.4522

Tritanomaly

18.4441, 0.3881, 0.3734

Monochromacy



Original Color

18.6421, 0.4357, 0.4623

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.4317, 0.3621, 0.3897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6421, 0.4357, 0.4623 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(140, 118, 33)` looks like.

```
.text, #text, p{  
    color:rgb(140, 118, 33)  
}
```

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(140, 118, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 118, 33) }
```

Border

The CSS property to change the border of an element to Yxy 18.6421, 0.4357, 0.4623 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(140, 118, 33) }
```

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

```
.border{ border-color:rgb(140, 118, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 118, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 118, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 118, 33);  
box-shadow:4px 4px 4px 4px rgb(140, 118,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6421, 0.4357, 0.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 118, 33) }
```

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

```
.background{ background-color: rgb(140,  
118, 33) }
```

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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