

Converting Colors

$Y_{xy}(20.2890, 0.4631, 0.4140)$

Have a look what the booklet for
Yxy(20.2890, 0.4631, 0.4140)
contains.

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Color

Yxy(20.1611, 0.4635, 0.4142)

Conversions

Conversions Part 1

Format	Color
Hex	A87034
RGB	168, 112, 52
RGB Percent	66%, 44%, 20%
CMY	0.3412, 0.5607, 0.7960
CMYK	0.00, 0.33, 0.69, 0.34
HSL	31°, 53%, 43%
HSV	31°, 69%, 66%
XYZ	22.5608, 20.1611, 5.9529
YIQ	121.9040, 52.6360, -6.7880

Conversions

Conversions Part 2

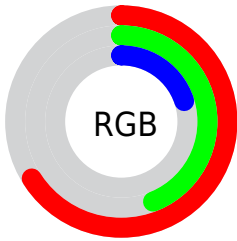
Format	Color
R_{YB}	160, 168, 52
Decimal	11038772
CIE _{Lab}	52.02, 16.40, 41.37
CIE _{LCh}	52, 44.497, 68.377
Yxy	20.1611, 0.4635, 0.4142
Android (android.graphics.Color)	4289228852 (0xFFA87034)
YUV	121.9040, -34.4627, 40.4262
Hunter-Lab	44.9011, 11.1112, 23.5702

Details

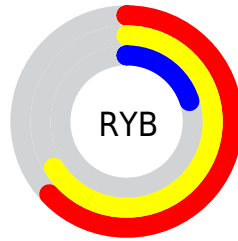
The Yxy color **20.1611, 0.4635, 0.4142** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.2809, 0.2061, 0.2125**, and the grayscale version is **19.5319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8214, 0.4324, 0.4006**, and **7.1159, 0.5129, 0.4281** is the 20% darker color. If you saturate the color by 10%, you get **18.3270, 0.4891, 0.4190**, and if you desaturate by 10%, it is **22.2123, 0.4371, 0.4055**.

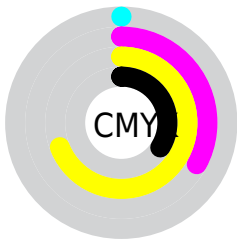
Distribution



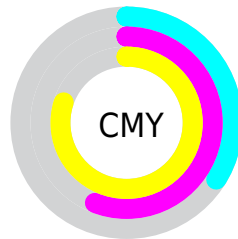
- Red (66%)
- Green (44%)
- Blue (20%)



- Red (63%)
- Yellow (66%)
- Blue (20%)



- Cyan (0%)
- Magenta (33%)
- Yellow (69%)
- Black (34%)





- Cyan (34%)
- Magenta (56%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1611, 0.4635, 0.4142 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 20.1611, 0.4635, 0.4142 by changing the saturation by 10% instead.


 20.1611, 0.4635,
0.4142


 20.1611, 0.4635,
0.4142


252.7859, 0.3802,
0.3724

 12.5122, 0.4853,
0.4220


 43.6871, 0.4320,
0.4003

 7.0935, 0.5125,
0.4290


 60.3330, 0.4204,
0.3946


 3.5207, 0.5586,
0.4414

 80.7467, 0.4108,
0.3896

 1.4092, 0.5820,
0.4180

 105.3126, 0.4027,
0.3852

 0.2235, 0.7327,
0.2673

 134.4151, 0.3958,
0.3814

 0.0000, 0.0000,
0.0000

 168.4385, 0.3899,

0.3780

207.7673, 0.3847,
0.3751

■ 20.1611, 0.4635,
0.4142

■ 20.1611, 0.4635,
0.4142

■ 18.3270, 0.4891,
0.4190

■ 22.2123, 0.4371,
0.4055

■ 16.6966, 0.5124,
0.4189

■ 24.4868, 0.4113,
0.3940

■ 15.2548, 0.5327,
0.4142

■ 26.9939, 0.3869,
0.3810

■ 15.1241, 0.5346,
0.4137

■ 29.7417, 0.3647,
0.3673

■ 32.7375, 0.3447,
0.3536

■ 35.9884, 0.3269,
0.3404

■ 39.5010, 0.3113,
0.3278

■ 43.2819, 0.2976,
0.3161

■ 47.3371, 0.2857,
0.3053

Harmonies

Analogous

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



20.1611, 0.4726, 0.3549



20.1611, 0.4635, 0.4142



20.1611, 0.4126, 0.4642

Triad

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



20.1611, 0.4635, 0.4142



20.1611, 0.2038, 0.3493



20.1611, 0.2693, 0.2163

Complementary

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



20.1611, 0.4635, 0.4142



14.2809, 0.2061, 0.2125

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.



20.1611, 0.2094, 0.2063



20.1611, 0.4635, 0.4142



20.1611, 0.1755, 0.2700

Square

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



20.1611, 0.4635, 0.4142



20.1611, 0.2624, 0.4357



20.1611, 0.1779, 0.2225



20.1611, 0.3509, 0.2485

Rectangle

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



20.1611, 0.4635, 0.4142



20.1611, 0.3648, 0.4805



20.1611, 0.1779, 0.2225



20.1611, 0.2463, 0.2103

Sweetspot

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



20.1621, 0.4635, 0.4142



58.0981, 0.3492, 0.3568



11.8650, 0.4238, 0.2504



12.3477, 0.3543, 0.3604



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.1621, 0.4635, 0.4142



31.5938, 0.5023, 0.4196



36.3615, 0.4027, 0.4823



8.1601, 0.3273, 0.3407



11.5262, 0.5332, 0.4148



0.3822, 0.4864, 0.4520

Inverse Universe

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



14.2809, 0.2061, 0.2125



20.2310, 0.1884, 0.1819



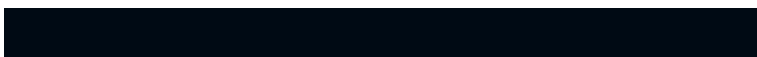
6.0670, 0.1832, 0.1132



7.8757, 0.2987, 0.3170



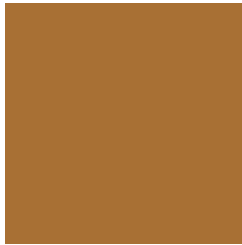
6.6910, 0.1764, 0.1550



0.2657, 0.1937, 0.2174

Previews

White Background



This preview shows how the Yxy color 20.1611, 0.4635, 0.4142 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



This preview shows how the Yxy color 20.1611, 0.4635, 0.4142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

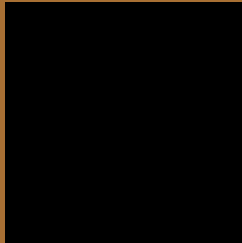
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1611, 0.4635, 0.4142

Background



This preview shows how black text looks on a background with the Yxy color 20.1611, 0.4635, 0.4142.



This preview shows how white text looks on a background with the Yxy color 20.1611, 0.4635, 0.4142.

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

20.1611, 0.4635, 0.4142

Protanopia

20.3560, 0.4065, 0.4466

Deuteranopia

20.1557, 0.4419, 0.4330



Tritanopia

20.0661, 0.3957, 0.3171

Trichromacy



Original Color

20.1611, 0.4635, 0.4142

Protanomaly

20.0983, 0.4272, 0.4336

Deuteranomaly

20.2034, 0.4497, 0.4258

Tritanomaly

20.1384, 0.4241, 0.3552

Monochromacy



Original Color

20.1611, 0.4635, 0.4142

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.3089, 0.3665, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1611, 0.4635, 0.4142 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(168, 112, 52)` looks like.

```
.text, #text, p{  
    color:rgb(168, 112, 52)  
}
```

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(168, 112, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 112, 52) }
```

Border

The CSS property to change the border of an element to Yxy 20.1611, 0.4635, 0.4142 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(168, 112, 52) }
```

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

```
.border{ border-color:rgb(168, 112, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 112, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 112, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 112, 52);  
box-shadow:4px 4px 4px 4px rgb(168, 112,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1611, 0.4635, 0.4142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 112, 52) }
```

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

```
.background{ background-color: rgb(168,  
112, 52) }
```

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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