

Converting Colors

$Y_{xy}(18.2503, 0.5029, 0.3988)$

Have a look what the booklet for
Yxy(18.2503, 0.5029, 0.3988)
contains.

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Color

Yxy(18.3675, 0.5028, 0.3990)

Conversions

Conversions Part 1

Format	Color
Hex	B2622A
RGB	178, 98, 42
RGB Percent	70%, 38%, 16%
CMY	0.3020, 0.6157, 0.8351
CMYK	0.00, 0.45, 0.76, 0.30
HSL	25°, 62%, 43%
HSV	25°, 76%, 70%
XYZ	23.1458, 18.3675, 4.5205
YIQ	115.5360, 65.6560, -0.4560

Conversions

Conversions Part 2

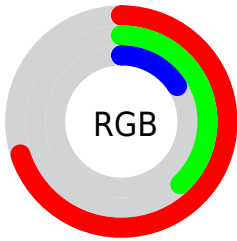
Format	Color
R _Y B	178, 137, 42
Decimal	11690538
CIE Lab	49.94, 28.02, 44.43
CIE LCh	50, 52.529, 57.769
Yxy	18.3675, 0.5028, 0.3990
Android (android.graphics.Color)	4289880618 (0xFFB2622A)
YUV	115.5360, -36.2532, 54.7809
Hunter-Lab	42.8573, 21.4016, 23.7463

Details

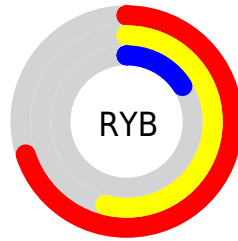
The Yxy color **18.3675, 0.5028, 0.3990** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **17.6368, 0.2039, 0.2253**, and the grayscale version is **17.4157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7452, 0.4619, 0.3917**, and **6.2743, 0.5588, 0.3945** is the 20% darker color. If you saturate the color by 10%, you get **16.4344, 0.5321, 0.3979**, and if you desaturate by 10%, it is **20.6156, 0.4715, 0.3954**.

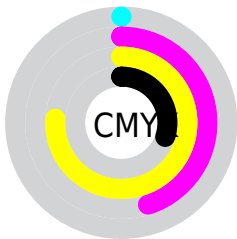
Distribution



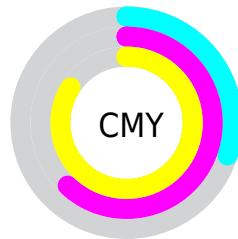
- Red (70%)
- Green (38%)
- Blue (16%)



- Red (70%)
- Yellow (54%)
- Blue (16%)



- Cyan (0%)
- Magenta (45%)
- Yellow (76%)
- Black (30%)





- Cyan (30%)
- Magenta (62%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3675, 0.5028, 0.3990 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 18.3675, 0.5028, 0.3990 by changing the saturation by 10% instead.


 18.3675, 0.5028,
0.3990


 18.3675, 0.5028,
0.3990


242.9344, 0.3968,
0.3693


 11.2142, 0.5303,
0.4012


 40.6625, 0.4627,
0.3912


 6.2111, 0.5667,
0.4009

 56.5730, 0.4479,
0.3871


 2.9738, 0.6101,
0.3899

 76.1714, 0.4357,
0.3834

 1.1181, 0.6502,
0.3498

 99.8419, 0.4254,
0.3800

 0.0000, 1.0000,
0.0000

 127.9691, 0.4166,
0.3769

 0.0000, 0.0000,
0.0000

 160.9373, 0.4091,

0.3741

199.1309, 0.4025,
0.3716

■ 18.3675, 0.5028,
0.3990

■ 18.3675, 0.5028,
0.3990

■ 16.4344, 0.5321,
0.3979

■ 20.6156, 0.4715,
0.3954

■ 14.7947, 0.5573,
0.3916

■ 23.1919, 0.4405,
0.3882

■ 14.2642, 0.5659,
0.3889

■ 26.1119, 0.4112,
0.3787

■ 29.3891, 0.3847,
0.3680

■ 33.0363, 0.3611,
0.3569

■ 37.0655, 0.3405,
0.3459

■ 41.4881, 0.3227,
0.3354

■ 46.3150, 0.3074,
0.3255

■ 51.5566, 0.2943,
0.3164

Harmonies

Analogous

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



18.3675, 0.4952, 0.3308



18.3675, 0.5028, 0.3990



18.3675, 0.4536, 0.4671

Triad

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



18.3675, 0.5028, 0.3990



18.3675, 0.2023, 0.3927



18.3675, 0.2314, 0.1900

Complementary

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



18.3675, 0.5028, 0.3990



17.6368, 0.2039, 0.2253

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.



18.3675, 0.1745, 0.1876



18.3675, 0.5028, 0.3990



18.3675, 0.1585, 0.2849

Square

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



18.3675, 0.5028, 0.3990



18.3675, 0.2802, 0.4910



18.3675, 0.1505, 0.2162



18.3675, 0.3210, 0.2184

Rectangle

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



18.3675, 0.5028, 0.3990



18.3675, 0.4013, 0.5026



18.3675, 0.1505, 0.2162



18.3675, 0.2086, 0.1862

Sweetspot

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



18.3685, 0.5028, 0.3990



62.0143, 0.3547, 0.3536



12.5697, 0.4106, 0.2263



13.1806, 0.3624, 0.3576



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



18.3685, 0.5028, 0.3990



27.6075, 0.5507, 0.3938



36.3269, 0.4229, 0.4782



9.0607, 0.3277, 0.3384



10.3245, 0.5639, 0.3904



0.4410, 0.5141, 0.4300

Inverse Universe

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



17.6368, 0.2039, 0.2253



25.9642, 0.1897, 0.1984



6.5017, 0.1740, 0.1089



9.0333, 0.2986, 0.3194



9.6166, 0.1862, 0.1903



0.4141, 0.1981, 0.2332

Previews

White Background



This preview shows how the Yxy color 18.3675, 0.5028, 0.3990 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 18.3675, 0.5028, 0.3990 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 18.3675, 0.5028, 0.3990

Background



This preview shows how black text looks on a background with the Yxy color 18.3675, 0.5028, 0.3990.



This preview shows how white text looks on a background with the Yxy color 18.3675, 0.5028, 0.3990.

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

18.3675, 0.5028, 0.3990

Protanopia

18.6329, 0.4122, 0.4538

Deuteranopia

18.3334, 0.4515, 0.4442



Tritanopia

18.3789, 0.4368, 0.3194

Trichromacy



Original Color

18.3675, 0.5028, 0.3990

Protanomaly

18.1752, 0.4452, 0.4331

Deuteranomaly

18.3452, 0.4707, 0.4270

Tritanomaly

18.2588, 0.4661, 0.3517

Monochromacy



Original Color

18.3675, 0.5028, 0.3990

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.1475, 0.3822, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3675, 0.5028, 0.3990 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(178, 98, 42)` looks like.

```
.text, #text, p{  
    color:rgb(178, 98, 42)  
}
```

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(178, 98, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 98, 42) }
```

Border

The CSS property to change the border of an element to Yxy 18.3675, 0.5028, 0.3990 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(178, 98, 42) }
```

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

```
.border{ border-color:rgb(178, 98, 42) }
```

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

Here you see how a box with a 4 pixel rgb(178, 98, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 98, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 98, 42);  
box-shadow:4px 4px 4px 4px rgb(178, 98,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3675, 0.5028, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 98, 42) }
```

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

```
.background{ background-color: rgb(178, 98,  
42) }
```

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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