

Converting Colors

$Y_{xy}(17.7246, 0.5236, 0.4092)$

Have a look what the booklet for
Yxy(17.7246, 0.5236, 0.4092)
contains.

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Color

Yxy(17.6999, 0.5231, 0.4100)

Conversions

Conversions Part 1

Format	Color
Hex	B25F14
RGB	178, 95, 20
RGB Percent	70%, 37%, 8%
CMY	0.3019, 0.6275, 0.9215
CMYK	0.00, 0.47, 0.89, 0.30
HSL	28°, 80%, 39%
HSV	28°, 89%, 70%
XYZ	22.5825, 17.6999, 2.8881
YIQ	111.2670, 73.5430, -5.7290

Conversions

Conversions Part 2

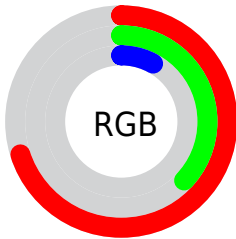
Format	Color
R_{YB}	178, 163, 20
Decimal	11689748
CIE Lab	49.13, 28.95, 52.65
CIE LCh	49, 60.081, 61.196
Yxy	17.6999, 0.5231, 0.4100
Android (android.graphics.Color)	4289879828 (0xFFB25F14)
YUV	111.2670, -44.9946, 58.5248
Hunter-Lab	42.0712, 22.1883, 25.3797

Details

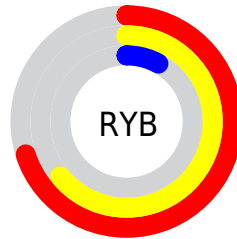
The Yxy color **17.6999, 0.5231, 0.4100** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **13.0718, 0.1877, 0.1862**, and the grayscale version is **16.0957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3764, 0.4817, 0.4031**, and **5.9550, 0.5646, 0.3899** is the 20% darker color. If you saturate the color by 10%, you get **16.0701, 0.5451, 0.4041**, and if you desaturate by 10%, it is **19.5765, 0.4976, 0.4111**.

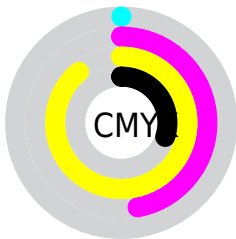
Distribution



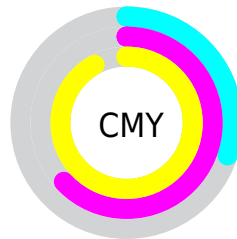
- Red (70%)
- Green (37%)
- Blue (8%)



- Red (70%)
- Yellow (64%)
- Blue (8%)



- Cyan (0%)
- Magenta (47%)
- Yellow (89%)
- Black (30%)





- Cyan (30%)
- Magenta (63%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6999, 0.5231, 0.4100 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 17.6999, 0.5231, 0.4100 by changing the saturation by 10% instead.


 17.6999, 0.5231,
0.4100


 17.6999, 0.5231,
0.4100


239.1741, 0.4083,
0.3783


 10.7347, 0.5503,
0.4101


 39.5253, 0.4811,
0.4031


 5.8888, 0.5903,
0.4097

 55.1543, 0.4652,
0.3989


 2.7776, 0.6163,
0.3837

 74.4401, 0.4518,
0.3947

 1.0167, 0.6592,
0.3408

 97.7670, 0.4403,
0.3908

 0.0000, 1.0000,
0.0000


 125.5195, 0.4306,
0.3873


 0.0000, 0.0000,
0.0000


 158.0819, 0.4221,


0.3840


 195.8386, 0.4148,
0.3810


 17.6999, 0.5231,
0.4100


 17.6999, 0.5231,
0.4100

 16.0701, 0.5451,
0.4041

 19.5765, 0.4976,
0.4111

 15.8828, 0.5478,
0.4033

 21.7162, 0.4698,
0.4072

 24.1334, 0.4413,
0.3993

 26.8400, 0.4139,
0.3888

 29.8474, 0.3883,
0.3767

■ 33.1660, 0.3652,
0.3641

■ 36.8055, 0.3447,
0.3514

■ 40.7753, 0.3266,
0.3392

■ 45.0844, 0.3109,
0.3276

Harmonies

Analogous

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



17.6999, 0.5272, 0.3350



17.6999, 0.5231, 0.4100



17.6999, 0.4581, 0.4884

Triad

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



17.6999, 0.5231, 0.4100



17.6999, 0.1784, 0.3865



17.6999, 0.2296, 0.1762

Complementary

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



17.6999, 0.5231, 0.4100



13.0718, 0.1877, 0.1862

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.



17.6999, 0.1632, 0.1695



17.6999, 0.5231, 0.4100



17.6999, 0.1369, 0.2641

Square

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



17.6999, 0.5231, 0.4100



17.6999, 0.2607, 0.5115



17.6999, 0.1335, 0.1947



17.6999, 0.3345, 0.2102

Rectangle

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



17.6999, 0.5231, 0.4100



17.6999, 0.3963, 0.5309



17.6999, 0.1335, 0.1947



17.6999, 0.2030, 0.1708

Sweetspot

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



17.7009, 0.5231, 0.4100



60.9495, 0.3624, 0.3624



10.9733, 0.4566, 0.2371



13.0347, 0.3698, 0.3667



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.



17.7009, 0.5231, 0.4100



28.3413, 0.5504, 0.4012



39.3114, 0.4216, 0.4964



9.1482, 0.3276, 0.3398



11.4856, 0.5459, 0.4047



0.4785, 0.5018, 0.4397

Inverse Universe

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



13.0718, 0.1877, 0.1862



19.7316, 0.1789, 0.1640



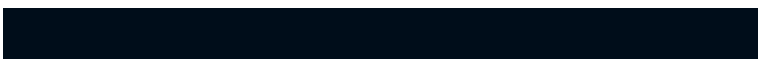
4.0710, 0.1572, 0.0737



8.9445, 0.2985, 0.3179



8.0953, 0.1802, 0.1687



0.3705, 0.1938, 0.2176

Previews

White Background



This preview shows how the Yxy color 17.6999, 0.5231, 0.4100 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 17.6999, 0.5231, 0.4100 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 17.6999, 0.5231, 0.4100

Background



This preview shows how black text looks on a background with the Yxy color 17.6999, 0.5231, 0.4100.



This preview shows how white text looks on a background with the Yxy color 17.6999, 0.5231, 0.4100.

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

17.6999, 0.5231, 0.4100

Protanopia

17.9370, 0.4291, 0.4757

Deuteranopia

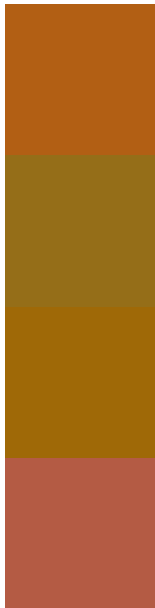
17.6648, 0.4706, 0.4645



Tritanopia

17.7947, 0.4454, 0.3209

Trichromacy



Original Color

17.6999, 0.5231, 0.4100

Protanomaly

17.6074, 0.4644, 0.4509

Deuteranomaly

17.4894, 0.4917, 0.4435

Tritanomaly

17.6028, 0.4834, 0.3605

Monochromacy



Original Color

17.6999, 0.5231, 0.4100

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.8041, 0.3945, 0.3798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6999, 0.5231, 0.4100 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, 95, 20)` looks like.

```
.text, #text, p{  
  color:rgb(178, 95, 20)  
}
```

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, 95, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 95, 20) }
```

Border

The CSS property to change the border of an element to Yxy 17.6999, 0.5231, 0.4100 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, 95, 20) }
```

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

```
.border{ border-color:rgb(178, 95, 20) }
```

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

Here you see how a box with a 4 pixel rgb(178, 95, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 95, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 95, 20);  
box-shadow:4px 4px 4px 4px rgb(178, 95,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6999, 0.5231, 0.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 95, 20) }
```

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

```
.background{ background-color: rgb(178, 95,  
20) }
```

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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