

Converting Colors

$Y_{xy}(21.0472, 0.4782, 0.4089)$

Have a look what the booklet for
Yxy(21.0472, 0.4782, 0.4089)
contains.

Yxy(21.0641, 0.4783, 0.4092)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.0641, 0.4783, 0.4092)

Conversions

Conversions Part 1

Format	Color
Hex	B26F32
RGB	178, 111, 50
RGB Percent	70%, 44%, 20%
CMY	0.3020, 0.5647, 0.8037
CMYK	0.00, 0.38, 0.72, 0.30
HSL	29°, 56%, 45%
HSV	29°, 72%, 70%
XYZ	24.6211, 21.0641, 5.7911
YIQ	124.0790, 59.5130, -4.7670

Conversions

Conversions Part 2

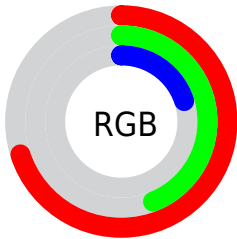
Format	Color
R_{YB}	178, 167, 50
Decimal	11693874
CIE _{Lab}	53.02, 21.23, 43.79
CIE _{LCh}	53, 48.663, 64.128
Yxy	21.0641, 0.4783, 0.4092
Android (android.graphics.Color)	4289883954 (0xFFB26F32)
YUV	124.0790, -36.5209, 47.2887
Hunter-Lab	45.8956, 15.4405, 24.6458

Details

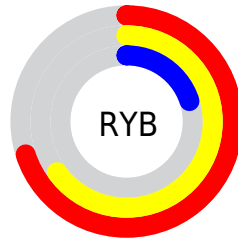
The Yxy color **21.0641, 0.4783, 0.4092** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.6270, 0.2046, 0.2164**, and the grayscale version is **20.2951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2724, 0.4449, 0.3980**, and **7.5481, 0.5283, 0.4187** is the 20% darker color. If you saturate the color by 10%, you get **19.0111, 0.5055, 0.4117**, and if you desaturate by 10%, it is **23.3913, 0.4500, 0.4024**.

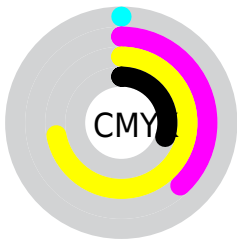
Distribution



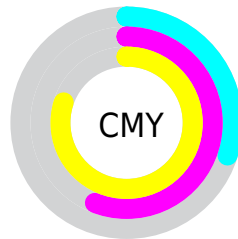
- Red (70%)
- Green (44%)
- Blue (20%)



- Red (70%)
- Yellow (65%)
- Blue (20%)



- Cyan (0%)
- Magenta (38%)
- Yellow (72%)
- Black (30%)





- Cyan (30%)
- Magenta (56%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0641, 0.4783, 0.4092 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 21.0641, 0.4783, 0.4092 by changing the saturation by 10% instead.


 21.0641, 0.4783,
0.4092


 21.0641, 0.4783,
0.4092


257.6190, 0.3875,
0.3721

 13.1709, 0.5016,
0.4149


 45.1942, 0.4443,
0.3977

 7.5463, 0.5304,
0.4187


 62.1998, 0.4317,
0.3926


 3.8060, 0.5759,
0.4241

 83.0117, 0.4212,
0.3881

 1.5657, 0.6034,
0.3966

 108.0143, 0.4123,
0.3841

 0.3343, 0.7144,
0.2856

 137.5919, 0.4048,
0.3806

 0.0000, 0.0000,
0.0000

 172.1289, 0.3982,

0.3774

212.0098, 0.3925,
0.3746

■ 21.0641, 0.4783,
0.4092

■ 21.0641, 0.4783,
0.4092

■ 19.0111, 0.5055,
0.4117

■ 23.3913, 0.4500,
0.4024

■ 17.2151, 0.5298,
0.4090

■ 26.0018, 0.4221,
0.3926

■ 15.9299, 0.5472,
0.4037

■ 28.9081, 0.3960,
0.3808

■ 32.1207, 0.3721,
0.3682

■ 35.6495, 0.3508,
0.3554

■ 39.5041, 0.3320,
0.3430

■ 43.6933, 0.3156,
0.3311

■ 48.2257, 0.3013,
0.3201

■ 53.1097, 0.2889,
0.3099

Harmonies

Analogous

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



21.0641, 0.4815, 0.3461



21.0641, 0.4783, 0.4092



21.0641, 0.4280, 0.4666

Triad

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



21.0641, 0.4783, 0.4092



21.0641, 0.2029, 0.3643



21.0641, 0.2551, 0.2063

Complementary

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



21.0641, 0.4783, 0.4092



16.6270, 0.2046, 0.2164

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.



21.0641, 0.1960, 0.1991



21.0641, 0.4783, 0.4092



21.0641, 0.1689, 0.2749

Square

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



21.0641, 0.4783, 0.4092



21.0641, 0.2688, 0.4559



21.0641, 0.1673, 0.2199



21.0641, 0.3403, 0.2371

Rectangle

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



21.0641, 0.4783, 0.4092



21.0641, 0.3785, 0.4901



21.0641, 0.1673, 0.2199



21.0641, 0.2321, 0.2011

Sweetspot

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



21.0652, 0.4783, 0.4092



64.3157, 0.3518, 0.3560



13.0653, 0.4189, 0.2401



13.8593, 0.3572, 0.3594



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.



21.0652, 0.4783, 0.4092



32.5938, 0.5196, 0.4108



39.8654, 0.4108, 0.4814



9.1508, 0.3276, 0.3399



11.5225, 0.5454, 0.4051



0.4796, 0.5015, 0.4400

Inverse Universe

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



16.6270, 0.2046, 0.2164



24.0300, 0.1886, 0.1879



6.5614, 0.1779, 0.1092



8.9419, 0.2985, 0.3179



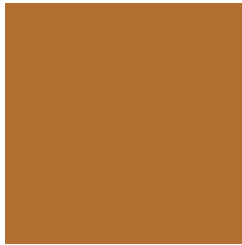
8.0538, 0.1800, 0.1681



0.3693, 0.1937, 0.2171

Previews

White Background



This preview shows how the Yxy color 21.0641, 0.4783, 0.4092 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 21.0641, 0.4783, 0.4092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

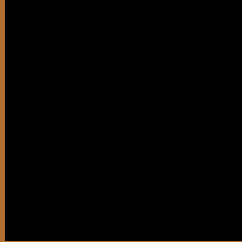
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0641, 0.4783, 0.4092

Background



This preview shows how black text looks on a background with the Yxy color 21.0641, 0.4783, 0.4092.



This preview shows how white text looks on a background with the Yxy color 21.0641, 0.4783, 0.4092.

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

21.0641, 0.4783, 0.4092

Protanopia

21.1173, 0.4094, 0.4488

Deuteranopia

21.1491, 0.4447, 0.4384



Tritanopia

21.0156, 0.4108, 0.3178

Trichromacy



Original Color

21.0641, 0.4783, 0.4092

Protanomaly

20.8018, 0.4344, 0.4343

Deuteranomaly

20.9353, 0.4574, 0.4272

Tritanomaly

21.0604, 0.4403, 0.3550

Monochromacy



Original Color

21.0641, 0.4783, 0.4092

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.9860, 0.3728, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0641, 0.4783, 0.4092 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, 111, 50)` looks like.

```
.text, #text, p{  
    color:rgb(178, 111, 50)  
}
```

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, 111, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 111, 50) }
```

Border

The CSS property to change the border of an element to Yxy 21.0641, 0.4783, 0.4092 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, 111, 50) }
```

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

```
.border{ border-color:rgb(178, 111, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 111, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 111, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 111, 50);  
box-shadow:4px 4px 4px 4px rgb(178, 111,  
50) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.0641, 0.4783, 0.4092$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 111, 50) }
```

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

```
.background{ background-color: rgb(178,  
111, 50) }
```

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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