

Converting Colors

$Y_{xy}(20.0395, 0.4241, 0.4672)$

Have a look what the booklet for
Yxy(20.0395, 0.4241, 0.4672)
contains.

Yxy(20.0378, 0.4241, 0.4672)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.0378, 0.4241, 0.4672)

Conversions

Conversions Part 1

Format	Color
Hex	8B7C25
RGB	139, 124, 37
RGB Percent	55%, 49%, 15%
CMY	0.4549, 0.5137, 0.8548
CMYK	0.00, 0.11, 0.73, 0.45
HSL	51°, 58%, 35%
HSV	51°, 73%, 55%
XYZ	18.1893, 20.0378, 4.6620
YIQ	118.5670, 36.8670, -23.8770

Conversions

Conversions Part 2

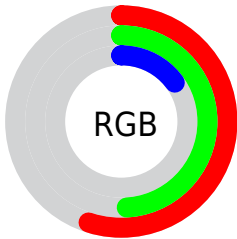
Format	Color
RYB	55, 139, 37
Decimal	9141285
CIELab	51.88, -4.45, 47.07
CIELCh	52, 47.276, 95.402
Yxy	20.0378, 0.4241, 0.4672
Android (android.graphics.Color)	4287331365 (0xFF8B7C25)
YUV	118.5670, -40.2125, 17.9197
Hunter-Lab	44.7636, -5.8045, 25.1596

Details

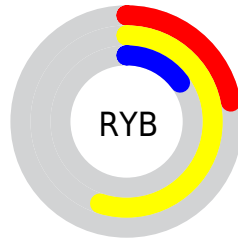
The Yxy color **20.0378, 0.4241, 0.4672** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.7168, 0.1830, 0.1297**, and the grayscale version is **18.4260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3574, 0.4034, 0.4395**, and **7.1473, 0.4396, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **19.4603, 0.4346, 0.4763**, and if you desaturate by 10%, it is **20.6611, 0.4112, 0.4541**.

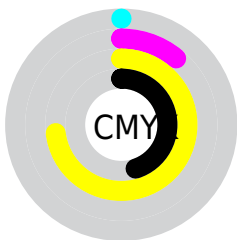
Distribution



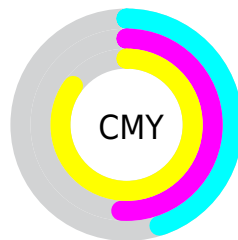
- Red (55%)
- Green (49%)
- Blue (15%)



- Red (22%)
- Yellow (55%)
- Blue (15%)



- Cyan (0%)
- Magenta (11%)
- Yellow (73%)
- Black (45%)



- Cyan (45%)
- Magenta (51%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0378, 0.4241, 0.4672 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 20.0378, 0.4241, 0.4672 by changing the saturation by 10% instead.


 20.0378, 0.4241,
0.4672


 20.0378, 0.4241,
0.4672


 252.1197, 0.3658,
0.3925


 12.4225, 0.4369,
0.4852


 43.4805, 0.4034,
0.4397


 7.0321, 0.4522,
0.5079


 60.0768, 0.3953,
0.4294

 3.4822, 0.4666,
0.5334

 80.4355, 0.3885,
0.4207

 1.3884, 0.4591,
0.5409

 104.9411, 0.3826,
0.4133

 0.2081, 0.2999,
0.7001

 133.9779, 0.3775,
0.4069

 0.0000, 0.0000,
0.0000

 167.9303, 0.3731,

0.4014

207.1828, 0.3692,
0.3967

■ 20.0378, 0.4241,
0.4672

■ 20.0378, 0.4241,
0.4672

■ 19.4603, 0.4346,
0.4763

■ 20.6611, 0.4112,
0.4541

■ 18.9216, 0.4426,
0.4811

■ 21.3308, 0.3966,
0.4377

■ 18.5772, 0.4471,
0.4832

■ 22.0509, 0.3808,
0.4188

■ 22.8241, 0.3646,
0.3984

■ 23.6528, 0.3483,
0.3773

■ 24.5395, 0.3325,
0.3562

■ 25.4862, 0.3175,
0.3357

■ 26.4950, 0.3035,
0.3161

■ 27.5678, 0.2906,
0.2976

Harmonies

Analogous

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



20.0378, 0.4752, 0.4113



20.0378, 0.4241, 0.4672



20.0378, 0.3476, 0.4911

Triad

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



20.0378, 0.4241, 0.4672



20.0378, 0.1696, 0.2726



20.0378, 0.3439, 0.2398

Complementary

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



20.0378, 0.4241, 0.4672



4.7168, 0.1830, 0.1297

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.



20.0378, 0.2590, 0.2083



20.0378, 0.4241, 0.4672



20.0378, 0.1693, 0.2196

Square

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



20.0378, 0.4241, 0.4672



20.0378, 0.2021, 0.3598



20.0378, 0.1991, 0.2002



20.0378, 0.4302, 0.2893

Rectangle

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



20.0378, 0.4241, 0.4672



20.0378, 0.2925, 0.4722



20.0378, 0.1991, 0.2002



20.0378, 0.3138, 0.2270

Sweetspot

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



20.0388, 0.4241, 0.4672



42.4943, 0.3469, 0.3755



7.0652, 0.5184, 0.3068



9.7087, 0.3507, 0.3805



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.



20.0388, 0.4241, 0.4672



34.2106, 0.4401, 0.4800



21.5006, 0.3636, 0.5144



5.7218, 0.3261, 0.3475



16.7865, 0.4470, 0.4833



0.1273, 0.4319, 0.4953

Inverse Universe

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



4.7168, 0.1830, 0.1297



5.3945, 0.1622, 0.0910



4.5951, 0.2145, 0.1224



5.0033, 0.2991, 0.3098



2.1653, 0.1542, 0.0751



0.0275, 0.1691, 0.1287

Previews

White Background



This preview shows how the Yxy color 20.0378, 0.4241, 0.4672 looks on a white background.

Color Contrast Check

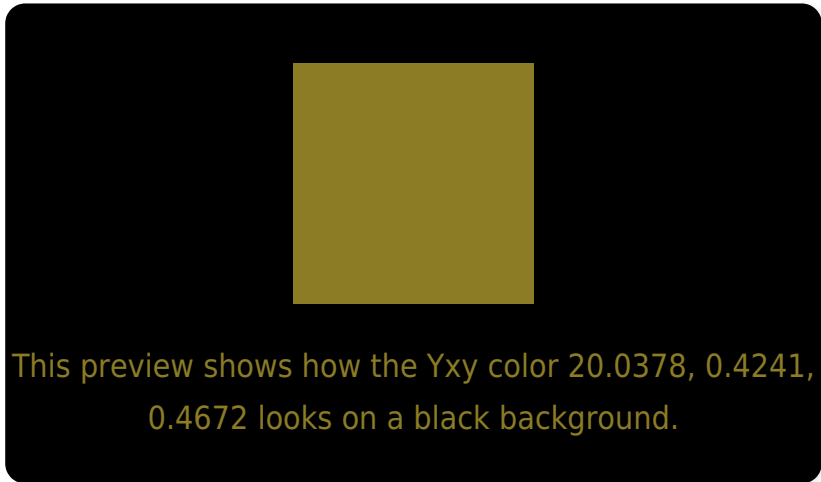
Large Text (above 18pt) WCAG AA ✓ Pass

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

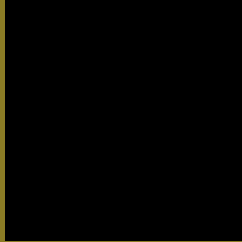
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0378, 0.4241, 0.4672

Background



This preview shows how black text looks on a background with the Yxy color 20.0378, 0.4241, 0.4672.



This preview shows how white text looks on a background with the Yxy color 20.0378, 0.4241, 0.4672.

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

20.0378, 0.4241, 0.4672

Protanopia

20.0378, 0.4241, 0.4672

Deuteranopia

20.0786, 0.4502, 0.4436



Tritanopia

20.0824, 0.3406, 0.3137

Trichromacy



Original Color

20.0378, 0.4241, 0.4672

Protanomaly

20.0378, 0.4241, 0.4672

Deuteranomaly

19.9690, 0.4407, 0.4519

Tritanomaly

19.8236, 0.3765, 0.3750

Monochromacy



Original Color

20.0378, 0.4241, 0.4672

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.8316, 0.3574, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0378, 0.4241, 0.4672 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(139, 124, 37)` looks like.

```
.text, #text, p{  
    color:rgb(139, 124, 37)  
}
```

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(139, 124, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 124, 37) }
```

Border

The CSS property to change the border of an element to Yxy 20.0378, 0.4241, 0.4672 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(139, 124, 37) }
```

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

```
.border{ border-color:rgb(139, 124, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 124, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 124, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 124, 37);  
box-shadow:4px 4px 4px 4px rgb(139, 124,  
37) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.0378, 0.4241, 0.4672$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 124, 37) }
```

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

```
.background{ background-color: rgb(139,  
124, 37) }
```

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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