

Converting Colors

$Y_{xy}(20.2509, 0.3727, 0.4281)$

Have a look what the booklet for
Yxy(20.2509, 0.3727, 0.4281)
contains.

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Color

Yxy(20.1852, 0.3723, 0.4276)

Conversions

Conversions Part 1

Format	Color
Hex	7F7F4A
RGB	127, 127, 74
RGB Percent	50%, 50%, 29%
CMY	0.5021, 0.5019, 0.7099
CMYK	0.00, 0.00, 0.42, 0.50
HSL	60°, 26%, 39%
HSV	60°, 42%, 50%
XYZ	17.5747, 20.1852, 9.4459
YIQ	120.9580, 17.0130, -16.4830

Conversions

Conversions Part 2

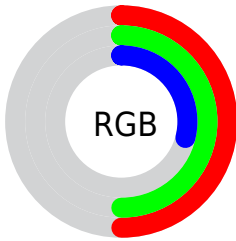
Format	Color
R_{YB}	74, 127, 74
Decimal	8355658
CIE _{Lab}	52.05, -8.45, 28.78
CIE _{LCh}	52, 29.998, 106.359
Yxy	20.1852, 0.3723, 0.4276
Android (android.graphics.Color)	4286545738 (0xFF7F7F4A)
YUV	120.9580, -23.1503, 5.2988
Hunter-Lab	44.9279, -8.7990, 18.9841

Details

The Yxy color **20.1852, 0.3723, 0.4276** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.8852, 0.2389, 0.2069**, and the grayscale version is **19.1773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9215, 0.3598, 0.4051**, and **7.1104, 0.3928, 0.4659** is the 20% darker color. If you saturate the color by 10%, you get **20.0312, 0.3851, 0.4488**, and if you desaturate by 10%, it is **20.3756, 0.3584, 0.4046**.

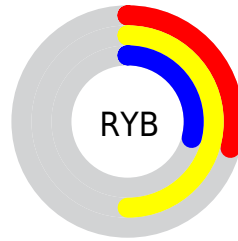
Distribution



Red (50%)

Green (50%)

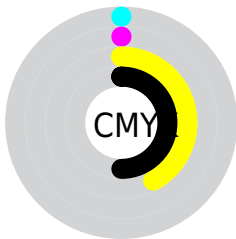
Blue (29%)



Red (29%)

Yellow (50%)

Blue (29%)

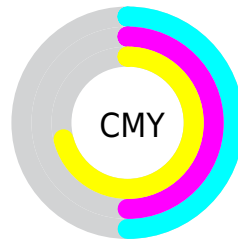


Cyan (0%)

Magenta (0%)

Yellow (42%)

Black (50%)



Cyan (50%)


Magenta (50%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1852, 0.3723, 0.4276 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 20.1852, 0.3723, 0.4276 by changing the saturation by 10% instead.


 20.1852, 0.3723,
0.4276


 20.1852, 0.3723,
0.4276


252.9160, 0.3398,
0.3711


 12.5297, 0.3809,
0.4442


 43.7275, 0.3600,
0.4052


 7.1055, 0.3917,
0.4670


 60.3831, 0.3555,
0.3974


 3.5282, 0.4068,
0.5015

 80.8075, 0.3517,
0.3910

 1.4133, 0.4334,
0.5666

 105.3851, 0.3486,
0.3856

 0.2265, 0.0383,
0.9617

 134.5004, 0.3459,
0.3812

 0.0000, 0.0000,
0.0000

168.5377, 0.3436,

0.3773

207.8814, 0.3416,
0.3740

■ 20.1852, 0.3723,
0.4276

■ 20.1852, 0.3723,
0.4276

■ 20.0312, 0.3851,
0.4488

■ 20.3756, 0.3584,
0.4046

■ 19.9088, 0.3963,
0.4673

■ 20.6015, 0.3440,
0.3807

■ 19.8166, 0.4054,
0.4824

■ 20.8657, 0.3294,
0.3566

■ 19.7518, 0.4122,
0.4937

■ 21.1699, 0.3152,
0.3330

■ 19.7115, 0.4166,
0.5010

■ 21.5155, 0.3015,
0.3104

■ 19.6880, 0.4192,
0.5053

■ 21.9041, 0.2886,
0.2890

■ 22.3371, 0.2765,
0.2692

■ 22.8158, 0.2655,
0.2508

■ 23.3415, 0.2553,
0.2341

Harmonies

Analogous

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



20.1852, 0.4112, 0.4027



20.1852, 0.3723, 0.4276



20.1852, 0.3194, 0.4232

Triad

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



20.1852, 0.3723, 0.4276



20.1852, 0.2134, 0.2797



20.1852, 0.3547, 0.2808

Complementary

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



20.1852, 0.3723, 0.4276



7.8852, 0.2389, 0.2069

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.



20.1852, 0.2981, 0.2531



20.1852, 0.3723, 0.4276



20.1852, 0.2207, 0.2499

Square

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



20.1852, 0.3723, 0.4276



20.1852, 0.2294, 0.3291



20.1852, 0.2501, 0.2417



20.1852, 0.4023, 0.3196

Rectangle

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



20.1852, 0.3723, 0.4276



20.1852, 0.2836, 0.4009



20.1852, 0.2501, 0.2417



20.1852, 0.3358, 0.2701

Sweetspot

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



20.1861, 0.3723, 0.4276



37.2799, 0.3317, 0.3604



9.9030, 0.4136, 0.3293



8.7062, 0.3345, 0.3650



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



20.1861, 0.3723, 0.4276



35.8782, 0.3844, 0.4477



18.4139, 0.3379, 0.4401



5.0193, 0.3256, 0.3503



19.8520, 0.4192, 0.5053



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.8852, 0.2389, 0.2069



10.7473, 0.2193, 0.1746



9.1663, 0.2760, 0.2183



4.2118, 0.2993, 0.3067



1.5459, 0.1500, 0.0600



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.1852, 0.3723, 0.4276 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 20.1852, 0.3723, 0.4276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

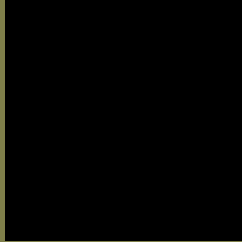
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

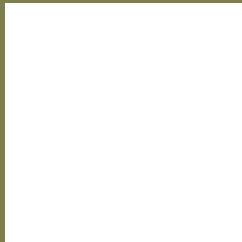
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.1852, 0.3723, 0.4276

Background



This preview shows how black text looks on a background with the Yxy color 20.1852, 0.3723, 0.4276.



This preview shows how white text looks on a background with the Yxy color 20.1852, 0.3723, 0.4276.

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

20.1852, 0.3723, 0.4276

Protanopia

20.1306, 0.3875, 0.4202

Deuteranopia

19.9627, 0.4077, 0.3997



Tritanopia

20.0312, 0.3173, 0.3112

Trichromacy



Original Color

20.1852, 0.3723, 0.4276

Protanomaly

20.1348, 0.3828, 0.4232

Deuteranomaly

19.9335, 0.3957, 0.4094

Tritanomaly

20.1170, 0.3379, 0.3530

Monochromacy



Original Color

20.1852, 0.3723, 0.4276

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.3763, 0.3347, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1852, 0.3723, 0.4276 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(127, 127, 74)` looks like.

```
.text, #text, p{  
    color:rgb(127, 127, 74)  
}
```

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(127, 127, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 127, 74) }
```

Border

The CSS property to change the border of an element to Yxy 20.1852, 0.3723, 0.4276 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(127, 127, 74) }
```

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

```
.border{ border-color:rgb(127, 127, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 127, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 127, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 127, 74);  
box-shadow:4px 4px 4px 4px rgb(127, 127,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1852, 0.3723, 0.4276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 127, 74) }
```

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

```
.background{ background-color: rgb(127,  
127, 74) }
```

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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