

Converting Colors

$Y_{xy}(19.6970, 0.4267, 0.4753)$

Have a look what the booklet for
Yxy(19.6970, 0.4267, 0.4753)
contains.

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Color

Yxy(19.8224, 0.4264, 0.4763)

Conversions

Conversions Part 1

Format	Color
Hex	897C1D
RGB	137, 124, 29
RGB Percent	54%, 49%, 11%
CMY	0.4627, 0.5137, 0.8865
CMYK	0.00, 0.09, 0.79, 0.46
HSL	53°, 65%, 33%
HSV	53°, 79%, 54%
XYZ	17.7457, 19.8224, 4.0494
YIQ	117.0570, 38.2430, -26.7890

Conversions

Conversions Part 2

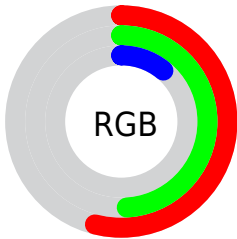
Format	Color
R_{YB}	44, 137, 29
Decimal	9010205
CIE Lab	51.64, -5.76, 49.86
CIE LCh	52, 50.187, 96.591
Yxy	19.8224, 0.4264, 0.4763
Android (android.graphics.Color)	4287200285 (0xFF897C1D)
YUV	117.0570, -43.4121, 17.4900
Hunter-Lab	44.5224, -6.7677, 25.7731

Details

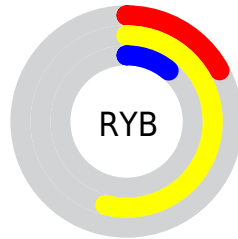
The Yxy color **19.8224, 0.4264, 0.4763** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.7185, 0.1738, 0.1105**, and the grayscale version is **17.9349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9822, 0.4062, 0.4477**, and **7.0537, 0.4356, 0.4923** is the 20% darker color. If you saturate the color by 10%, you get **19.3605, 0.4347, 0.4834**, and if you desaturate by 10%, it is **20.3233, 0.4156, 0.4650**.

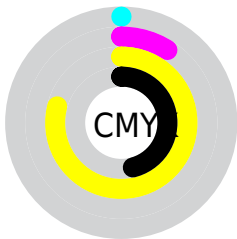
Distribution



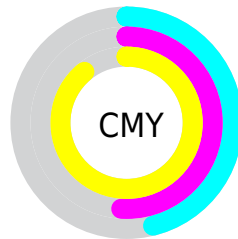
- Red (54%)
- Green (49%)
- Blue (11%)



- Red (17%)
- Yellow (54%)
- Blue (11%)



- Cyan (0%)
- Magenta (9%)
- Yellow (79%)
- Black (46%)





- Cyan (46%)
- Magenta (51%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8224, 0.4264, 0.4763 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 19.8224, 0.4264, 0.4763 by changing the saturation by 10% instead.


 19.8224, 0.4264,
0.4763


 19.8224, 0.4264,
0.4763


 250.9520, 0.3678,
0.3969


 12.2660, 0.4384,
0.4949


 43.1192, 0.4061,
0.4474


 6.9251, 0.4545,
0.5208


 59.6284, 0.3980,
0.4364

 3.4153, 0.4603,
0.5397

 79.8907, 0.3910,
0.4271

 1.3522, 0.4503,
0.5497

 104.2905, 0.3850,
0.4192

 0.1811, 0.1482,
0.8518

 133.2121, 0.3798,
0.4124

 0.0000, 0.0000,
0.0000

 167.0400, 0.3753,

0.4066

206.1585, 0.3713,
0.4014

19.8224, 0.4264,
0.4763

19.8224, 0.4264,
0.4763

19.3605, 0.4347,
0.4834

20.3233, 0.4156,
0.4650

18.9259, 0.4409,
0.4872

20.8638, 0.4027,
0.4500

18.8775, 0.4416,
0.4876

21.4482, 0.3881,
0.4321

22.0790, 0.3726,
0.4120

22.7587, 0.3567,
0.3907

■ 23.4898, 0.3409,
0.3690

■ 24.2743, 0.3256,
0.3475

■ 25.1142, 0.3111,
0.3267

■ 26.0114, 0.2976,
0.3070

Harmonies

Analogous

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



19.8224, 0.4829, 0.4166



19.8224, 0.4264, 0.4763



19.8224, 0.3448, 0.5020

Triad

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



19.8224, 0.4264, 0.4763



19.8224, 0.1614, 0.2654



19.8224, 0.3494, 0.2367

Complementary

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



19.8224, 0.4264, 0.4763



3.7185, 0.1738, 0.1105

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.



19.8224, 0.2586, 0.2030



19.8224, 0.4264, 0.4763



19.8224, 0.1627, 0.2117

Square

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



19.8224, 0.4264, 0.4763



19.8224, 0.1934, 0.3572



19.8224, 0.1948, 0.1932



19.8224, 0.4409, 0.2889

Rectangle

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



19.8224, 0.4264, 0.4763



19.8224, 0.2868, 0.4807



19.8224, 0.1948, 0.1932



19.8224, 0.3172, 0.2231

Sweetspot

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



19.8233, 0.4264, 0.4763



41.3125, 0.3498, 0.3813



6.3716, 0.5455, 0.3104



9.1767, 0.3547, 0.3880



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



19.8233, 0.4264, 0.4763



34.0325, 0.4395, 0.4861



20.5427, 0.3620, 0.5259



5.7440, 0.3261, 0.3481



17.5952, 0.4415, 0.4876



0.1303, 0.4294, 0.4972

Inverse Universe

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



3.7185, 0.1738, 0.1105



4.1867, 0.1556, 0.0753



3.9316, 0.2087, 0.1112



4.9830, 0.2991, 0.3092



2.0515, 0.1532, 0.0716



0.0245, 0.1660, 0.1175

Previews

White Background



This preview shows how the Yxy color 19.8224, 0.4264, 0.4763 looks on a white background.

Color Contrast Check

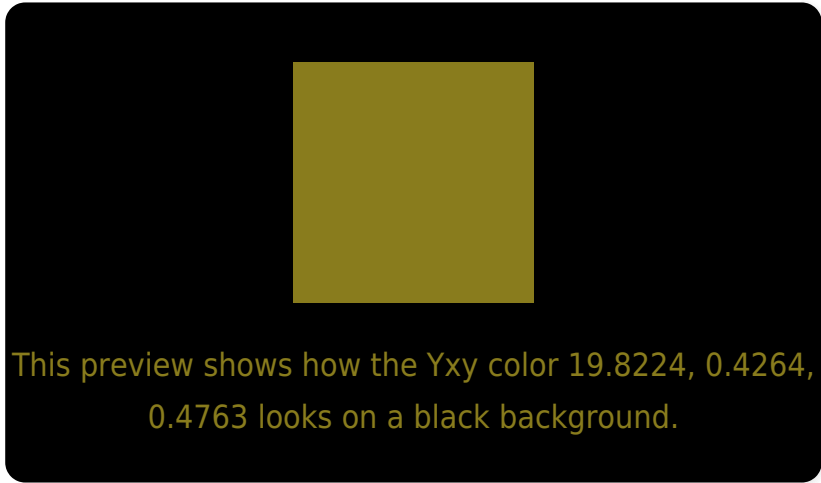
Large Text (above 18pt) WCAG AA ✓ Pass

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

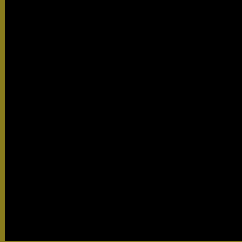
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8224, 0.4264, 0.4763

Background



This preview shows how black text looks on a background with the Yxy color 19.8224, 0.4264, 0.4763.



This preview shows how white text looks on a background with the Yxy color 19.8224, 0.4264, 0.4763.

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

19.8224, 0.4264, 0.4763

Protanopia

19.6579, 0.4290, 0.4741

Deuteranopia

19.7954, 0.4571, 0.4493



Tritanopia

19.9007, 0.3380, 0.3136

Trichromacy



Original Color

19.8224, 0.4264, 0.4763

Protanomaly

19.6579, 0.4290, 0.4741

Deuteranomaly

19.8278, 0.4448, 0.4599

Tritanomaly

19.5946, 0.3776, 0.3808

Monochromacy



Original Color

19.8224, 0.4264, 0.4763

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.3739, 0.3600, 0.3968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8224, 0.4264, 0.4763 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(137, 124, 29)` looks like.

```
.text, #text, p{  
    color:rgb(137, 124, 29)  
}
```

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(137, 124, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 124, 29) }
```

Border

The CSS property to change the border of an element to Yxy 19.8224, 0.4264, 0.4763 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(137, 124, 29) }
```

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

```
.border{ border-color:rgb(137, 124, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 124, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 124, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 124, 29);  
box-shadow:4px 4px 4px 4px rgb(137, 124,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8224, 0.4264, 0.4763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 124, 29) }
```

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

```
.background{ background-color: rgb(137,  
124, 29) }
```

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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