

Converting Colors

$Y_{xy}(19.9438, 0.4401, 0.4756)$

Have a look what the booklet for
Yxy(19.9438, 0.4401, 0.4756)
contains.

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Color

$\text{Yxy}(20.0561, 0.4398, 0.4758)$

Conversions

Conversions Part 1

Format	Color
Hex	8F7B14
RGB	143, 123, 20
RGB Percent	56%, 48%, 8%
CMY	0.4392, 0.5176, 0.9214
CMYK	0.00, 0.14, 0.86, 0.44
HSL	50°, 75%, 32%
HSV	50°, 86%, 56%
XYZ	18.5386, 20.0561, 3.5577
YIQ	117.2380, 44.9830, -27.7930

Conversions

Conversions Part 2

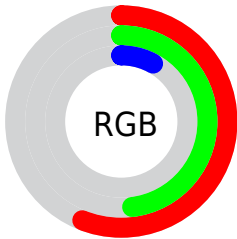
Format	Color
R_{YB}	44, 143, 20
Decimal	9403156
CIE Lab	51.90, -2.71, 53.13
CIE LCh	52, 53.200, 92.917
Yxy	20.0561, 0.4398, 0.4758
Android (android.graphics.Color)	4287593236 (0xFF8F7B14)
YUV	117.2380, -47.9383, 22.5933
Hunter-Lab	44.7840, -4.4809, 26.6388

Details

The Yxy color **20.0561, 0.4398, 0.4758** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.6538, 0.1667, 0.1014**, and the grayscale version is **18.0104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4473, 0.4176, 0.4489**, and **7.1560, 0.4477, 0.4828** is the 20% darker color. If you saturate the color by 10%, you get **19.4484, 0.4476, 0.4794**, and if you desaturate by 10%, it is **20.7082, 0.4294, 0.4681**.

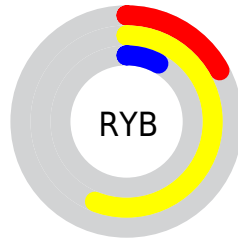
Distribution



Red (56%)

Green (48%)

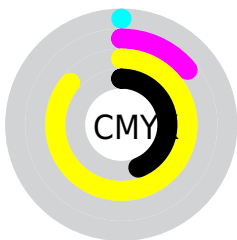
Blue (8%)



Red (17%)

Yellow (56%)

Blue (8%)

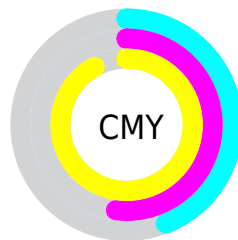


Cyan (0%)

Magenta (14%)

Yellow (86%)

Black (44%)



Cyan (44%)


Magenta (52%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0561, 0.4398, 0.4758 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 20.0561, 0.4398, 0.4758 by changing the saturation by 10% instead.


 20.0561, 0.4398,
0.4758


 20.0561, 0.4398,
0.4758


 252.2187, 0.3746,
0.3989


 12.4358, 0.4528,
0.4923


 43.5112, 0.4174,
0.4487


 7.0412, 0.4728,
0.5176


 60.1149, 0.4084,
0.4381


 3.4879, 0.4748,
0.5252

 80.4817, 0.4007,
0.4290

 1.3914, 0.4703,
0.5297

 104.9963, 0.3940,
0.4212

 0.2104, 0.3889,
0.6111

 134.0428, 0.3882,
0.4145

 0.0000, 0.0000,
0.0000

 168.0058, 0.3831,

0.4086

207.2696, 0.3786,
0.4035

20.0561, 0.4398,
0.4758

20.0561, 0.4398,
0.4758

19.4484, 0.4476,
0.4794

20.7082, 0.4294,
0.4681

19.2106, 0.4505,
0.4805

21.4076, 0.4166,
0.4562

22.1591, 0.4019,
0.4408

22.9662, 0.3860,
0.4227

23.8319, 0.3694,
0.4029

■ 24.7588, 0.3529,
0.3821

■ 25.7497, 0.3368,
0.3613

■ 26.8068, 0.3214,
0.3408

■ 27.9323, 0.3071,
0.3213

Harmonies

Analogous

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



20.0561, 0.4952, 0.4105



20.0561, 0.4398, 0.4758



20.0561, 0.3562, 0.5119

Triad

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



20.0561, 0.4398, 0.4758



20.0561, 0.1568, 0.2710



20.0561, 0.3384, 0.2270

Complementary

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



20.0561, 0.4398, 0.4758



3.6538, 0.1667, 0.1014

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.



20.0561, 0.2457, 0.1949



20.0561, 0.4398, 0.4758



20.0561, 0.1544, 0.2105

Square

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



20.0561, 0.4398, 0.4758



20.0561, 0.1939, 0.3721



20.0561, 0.1836, 0.1879



20.0561, 0.4376, 0.2791

Rectangle

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



20.0561, 0.4398, 0.4758



20.0561, 0.2954, 0.4973



20.0561, 0.1836, 0.1879



20.0561, 0.3050, 0.2138

Sweetspot

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



20.0571, 0.4398, 0.4758



44.2356, 0.3538, 0.3833



6.4992, 0.5661, 0.3073



10.0245, 0.3589, 0.3898



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.0571, 0.4398, 0.4758



34.1871, 0.4513, 0.4799



22.5247, 0.3661, 0.5343



6.1381, 0.3262, 0.3473



17.0086, 0.4504, 0.4806



0.1884, 0.4334, 0.4941

Inverse Universe

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



3.6538, 0.1667, 0.1014



4.4950, 0.1539, 0.0740



3.4784, 0.1934, 0.0943



5.3880, 0.2990, 0.3100



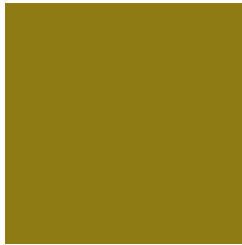
2.3271, 0.1548, 0.0771



0.0438, 0.1708, 0.1350

Previews

White Background



This preview shows how the Yxy color 20.0561, 0.4398, 0.4758 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 20.0561, 0.4398, 0.4758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

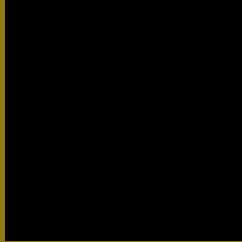
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0561, 0.4398, 0.4758

Background



This preview shows how black text looks on a background with the Yxy color 20.0561, 0.4398, 0.4758.



This preview shows how white text looks on a background with the Yxy color 20.0561, 0.4398, 0.4758.

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

20.0561, 0.4398, 0.4758

Protanopia

20.0413, 0.4346, 0.4799

Deuteranopia

20.0907, 0.4614, 0.4554



Tritanopia

19.9487, 0.3489, 0.3140

Trichromacy



Original Color

20.0561, 0.4398, 0.4758

Protanomaly

20.1285, 0.4359, 0.4789

Deuteranomaly

20.0741, 0.4528, 0.4630

Tritanomaly

19.5975, 0.3921, 0.3828

Monochromacy



Original Color

20.0561, 0.4398, 0.4758

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.2385, 0.3669, 0.4001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0561, 0.4398, 0.4758 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(143, 123, 20)` looks like.

```
.text, #text, p{  
    color:rgb(143, 123, 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(143, 123, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 123, 20) }
```

Border

The CSS property to change the border of an element to Yxy 20.0561, 0.4398, 0.4758 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(143, 123, 20) }
```

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

```
.border{ border-color:rgb(143, 123, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 123, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 123, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 123, 20);  
box-shadow:4px 4px 4px 4px rgb(143, 123,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0561, 0.4398, 0.4758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 123, 20) }
```

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

```
.background{ background-color: rgb(143,  
123, 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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