

Converting Colors

$Y_{xy}(20.4998, 0.4037, 0.4916)$

Have a look what the booklet for
Yxy(20.4998, 0.4037, 0.4916)
contains.

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Color

$\text{Yxy}(20.4998, 0.4037, 0.4916)$

Conversions

Conversions Part 1

Format	Color
Hex	7E821F
RGB	126, 130, 31
RGB Percent	49%, 51%, 12%
CMY	0.5059, 0.4902, 0.8784
CMYK	0.03, 0.00, 0.76, 0.49
HSL	62°, 61%, 32%
HSV	62°, 76%, 51%
XYZ	16.8344, 20.4998, 4.3660
YIQ	117.5180, 29.3950, -31.6370

Conversions

Conversions Part 2

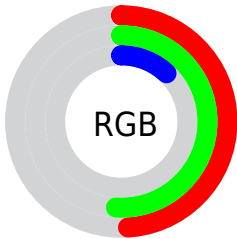
Format	Color
R_{YB}	31, 130, 35
Decimal	8290847
CIE _{Lab}	52.40, -14.02, 49.47
CIE _{LCh}	52, 51.421, 105.825
Yxy	20.4998, 0.4037, 0.4916
Android (android.graphics.Color)	4286480927 (0xFF7E821F)
YUV	117.5180, -42.6534, 7.4387
Hunter-Lab	45.2767, -12.8661, 25.9764

Details

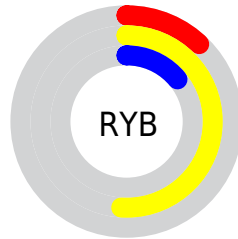
The Yxy color **20.4998, 0.4037, 0.4916** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.9495, 0.1762, 0.0997**, and the grayscale version is **18.0877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3153, 0.3886, 0.4586**, and **7.3407, 0.4055, 0.5162** is the 20% darker color. If you saturate the color by 10%, you get **20.4056, 0.4087, 0.5019**, and if you desaturate by 10%, it is **20.6237, 0.3962, 0.4773**.

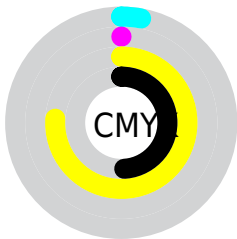
Distribution



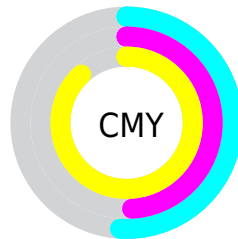
- Red (49%)
- Green (51%)
- Blue (12%)



- Red (12%)
- Yellow (51%)
- Blue (14%)



- Cyan (3%)
- Magenta (0%)
- Yellow (76%)
- Black (49%)





- Cyan (51%)
- Magenta (49%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4998, 0.4037, 0.4916 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 20.4998, 0.4037, 0.4916 by changing the saturation by 10% instead.


 20.4998, 0.4037,
0.4916


 20.4998, 0.4037,
0.4916


 254.6081, 0.3585,
0.4015


 12.7589, 0.4118,
0.5145

 44.2536, 0.3888,
0.4577


 7.2627, 0.4209,
0.5456


 61.0352, 0.3825,
0.4452


 3.6269, 0.4216,
0.5784

 81.5992, 0.3771,
0.4347

 1.4671, 0.3975,
0.6025

 106.3299, 0.3724,
0.4259

 0.2654, 0.0000,
1.0000

 135.6117, 0.3682,
0.4184

 0.0000, 0.0000,
0.0000

 169.8291, 0.3646,

0.4120

209.3665, 0.3614,
0.4064

20.4998, 0.4037,
0.4916

20.4998, 0.4037,
0.4916

20.4056, 0.4087,
0.5019

20.6237, 0.3962,
0.4773

20.3333, 0.4116,
0.5084

20.7776, 0.3866,
0.4595

20.3071, 0.4125,
0.5107

20.9649, 0.3751,
0.4387

21.1879, 0.3623,
0.4158

21.4488, 0.3488,
0.3918

■ 21.7496, 0.3348,
0.3674

■ 22.0919, 0.3210,
0.3434

■ 22.4776, 0.3076,
0.3202

■ 22.9082, 0.2949,
0.2983

Harmonies

Analogous

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



20.4998, 0.4712, 0.4373



20.4998, 0.4037, 0.4916



20.4998, 0.3177, 0.4990

Triad

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



20.4998, 0.4037, 0.4916



20.4998, 0.1569, 0.2435



20.4998, 0.3802, 0.2503

Complementary

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



20.4998, 0.4037, 0.4916



2.9495, 0.1762, 0.0997

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.



20.4998, 0.2840, 0.2098



20.4998, 0.4037, 0.4916



20.4998, 0.1678, 0.2012

Square

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



20.4998, 0.4037, 0.4916



20.4998, 0.1783, 0.3254



20.4998, 0.2098, 0.1920



20.4998, 0.4645, 0.3069

Rectangle

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



20.4998, 0.4037, 0.4916



20.4998, 0.2606, 0.4611



20.4998, 0.2098, 0.1920



20.4998, 0.3472, 0.2346

Sweetspot

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



20.5007, 0.4037, 0.4916



37.9036, 0.3451, 0.3854



6.0066, 0.5585, 0.3343



8.5445, 0.3494, 0.3929



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.



20.5007, 0.4037, 0.4916



35.8439, 0.4108, 0.5066



17.6513, 0.3420, 0.5338



5.0109, 0.3250, 0.3504



19.4711, 0.4125, 0.5107



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.9495, 0.1762, 0.0997



3.3473, 0.1568, 0.0692



4.4678, 0.2387, 0.1307



4.2194, 0.2998, 0.3068



1.5786, 0.1519, 0.0611



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.4998, 0.4037, 0.4916 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 20.4998, 0.4037, 0.4916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

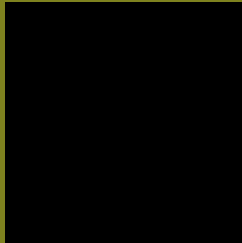
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4998, 0.4037, 0.4916

Background



This preview shows how black text looks on a background with the Yxy color 20.4998, 0.4037, 0.4916.



This preview shows how white text looks on a background with the Yxy color 20.4998, 0.4037, 0.4916.

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

20.4998, 0.4037, 0.4916

Protanopia

20.3364, 0.4285, 0.4740

Deuteranopia

20.4891, 0.4542, 0.4470



Tritanopia

20.4643, 0.3185, 0.3114

Trichromacy



Original Color

20.4998, 0.4037, 0.4916

Protanomaly

20.4234, 0.4195, 0.4809

Deuteranomaly

20.3924, 0.4364, 0.4629

Tritanomaly

20.1471, 0.3568, 0.3826

Monochromacy



Original Color

20.4998, 0.4037, 0.4916

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.6559, 0.3537, 0.3994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4998, 0.4037, 0.4916 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(126, 130, 31)` looks like.

```
.text, #text, p{  
    color:rgb(126, 130, 31)  
}
```

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(126, 130, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 130, 31) }
```

Border

The CSS property to change the border of an element to Yxy 20.4998, 0.4037, 0.4916 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(126, 130, 31) }
```

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

```
.border{ border-color:rgb(126, 130, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 130, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 130, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 130, 31);  
box-shadow:4px 4px 4px 4px rgb(126, 130,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4998, 0.4037, 0.4916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 130, 31) }
```

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

```
.background{ background-color: rgb(126,  
130, 31) }
```

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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