

Converting Colors

$Y_{xy}(21.9124, 0.3162, 0.4750)$

Have a look what the booklet for
Yxy(21.9124, 0.3162, 0.4750)
contains.

Yxy(21.9976, 0.3167, 0.4756)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.9976, 0.3167, 0.4756)

Conversions

Conversions Part 1

Format	Color
Hex	548F48
RGB	84, 143, 72
RGB Percent	33%, 56%, 28%
CMY	0.6706, 0.4392, 0.7176
CMYK	0.41, 0.00, 0.50, 0.44
HSL	110°, 33%, 42%
HSV	110°, 50%, 56%
XYZ	14.6481, 21.9976, 9.6066
YIQ	117.2650, -12.3730, -34.5890

Conversions

Conversions Part 2

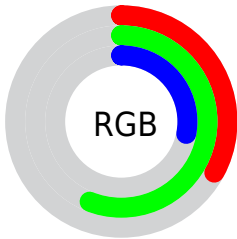
Format	Color
RYB	72, 143, 131
Decimal	5541704
CIELab	54.02, -33.76, 31.70
CIElCh	54, 46.306, 136.805
Yxy	21.9976, 0.3167, 0.4756
Android (android.graphics.Color)	4283731784 (0xFF548F48)
YUV	117.2650, -22.3156, -29.1734
Hunter-Lab	46.9016, -26.3294, 20.6871

Details

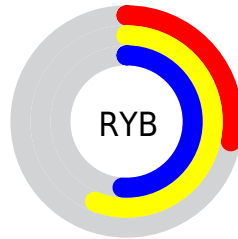
The Yxy color **21.9976, 0.3167, 0.4756** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.4467, 0.3003, 0.2066**, and the grayscale version is **17.9494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6560, 0.3186, 0.4398**, and **8.0158, 0.3084, 0.5413** is the 20% darker color. If you saturate the color by 10%, you get **21.3304, 0.3159, 0.5082**, and if you desaturate by 10%, it is **22.8032, 0.3168, 0.4424**.

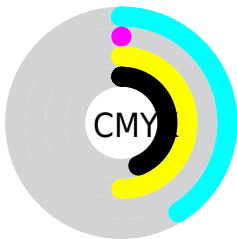
Distribution



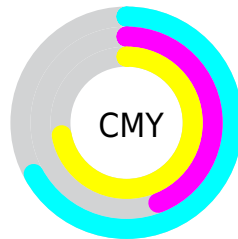
- Red (33%)
- Green (56%)
- Blue (28%)



- Red (28%)
- Yellow (56%)
- Blue (51%)



- Cyan (41%)
- Magenta (0%)
- Yellow (50%)
- Black (44%)




- Cyan (67%)
- Magenta (44%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9976, 0.3167, 0.4756 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 21.9976, 0.3167, 0.4756 by changing the saturation by 10% instead.


 21.9976, 0.3167,
0.4756


 21.9976, 0.3167,
0.4756


262.5337, 0.3178,
0.3887


 13.8551, 0.3143,
0.5029


 46.7420, 0.3184,
0.4401

 8.0200, 0.3090,
0.5418

 64.1128, 0.3186,
0.4280


 4.1077, 0.2979,
0.6024

 85.3284, 0.3186,
0.4183

 1.7340, 0.2731,
0.7269

 110.7734, 0.3185,
0.4103

 0.4455, 0.0000,
1.0000

 140.8319, 0.3183,
0.4035

 0.0000, 0.0000,
0.0000

175.8886, 0.3182,

0.3978

216.3277, 0.3180,
0.3929

■ 21.9976, 0.3167,
0.4756

■ 21.9976, 0.3167,
0.4756

■ 21.3304, 0.3159,
0.5082

■ 22.8032, 0.3168,
0.4424

■ 20.7909, 0.3143,
0.5382

■ 23.7516, 0.3163,
0.4103

■ 20.3717, 0.3120,
0.5634


■ 24.8502, 0.3153,
0.3802


■ 20.0631, 0.3090,
0.5820

■ 26.1053, 0.3141,
0.3527


■ 19.8482, 0.3061,
0.5948


■ 27.5227, 0.3127,
0.3282

 19.8418, 0.3061,
0.5952

 29.1080, 0.3112,
0.3064

 30.8665, 0.3096,
0.2873

 32.8031, 0.3081,
0.2707

 34.9229, 0.3066,
0.2561

Harmonies

Analogous

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



21.9976, 0.3940, 0.4750



21.9976, 0.3167, 0.4756



21.9976, 0.2425, 0.4146

Triad

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



21.9976, 0.3167, 0.4756



21.9976, 0.1827, 0.2139



21.9976, 0.4482, 0.3126

Complementary

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



21.9976, 0.3167, 0.4756



11.4467, 0.3003, 0.2066

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.



21.9976, 0.3755, 0.2602



21.9976, 0.3167, 0.4756



21.9976, 0.2225, 0.2055

Square

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



21.9976, 0.3167, 0.4756



21.9976, 0.1719, 0.2524



21.9976, 0.2905, 0.2223



21.9976, 0.4768, 0.3718

Rectangle

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



21.9976, 0.3167, 0.4756



21.9976, 0.2051, 0.3542



21.9976, 0.2905, 0.2223



21.9976, 0.4276, 0.2940

Sweetspot

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



21.9985, 0.3167, 0.4756



45.4377, 0.3148, 0.3680



22.2702, 0.3931, 0.4274



10.3245, 0.3150, 0.3732



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.



21.9985, 0.3167, 0.4756



38.0250, 0.3157, 0.5133



21.8412, 0.2877, 0.4322



6.0704, 0.3140, 0.3515



17.5497, 0.3063, 0.5950



0.1744, 0.3284, 0.5774

Inverse Universe

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



11.4467, 0.3003, 0.2066



16.7590, 0.2959, 0.1813



11.8451, 0.3539, 0.2456



5.4656, 0.3112, 0.3071



5.2207, 0.2796, 0.1314



0.0578, 0.3010, 0.1432

Previews

White Background



This preview shows how the Yxy color 21.9976, 0.3167, 0.4756 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 21.9976, 0.3167, 0.4756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

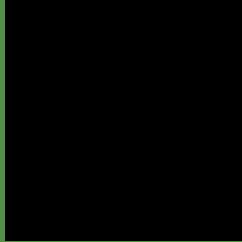
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9976, 0.3167, 0.4756

Background



This preview shows how black text looks on a background with the Yxy color 21.9976, 0.3167, 0.4756.



This preview shows how white text looks on a background with the Yxy color 21.9976, 0.3167, 0.4756.

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

21.9976, 0.3167, 0.4756

Protanopia

21.8565, 0.3976, 0.4341

Deuteranopia

21.7697, 0.4102, 0.4034



Tritanopia

21.9999, 0.2648, 0.3084

Trichromacy



Original Color

21.9976, 0.3167, 0.4756

Protanomaly

21.5448, 0.3650, 0.4498

Deuteranomaly

21.2191, 0.3732, 0.4290

Tritanomaly

21.8360, 0.2844, 0.3667

Monochromacy



Original Color

21.9976, 0.3167, 0.4756

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.8646, 0.3150, 0.3801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9976, 0.3167, 0.4756 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(84, 143, 72)` looks like.

```
.text, #text, p{  
    color:rgb(84, 143, 72)  
}
```

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(84, 143, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 143, 72) }
```

Border

The CSS property to change the border of an element to Yxy 21.9976, 0.3167, 0.4756 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(84, 143, 72) }
```

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

```
.border{ border-color:rgb(84, 143, 72) }
```

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

Here you see how a box with a 4 pixel rgb(84, 143, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 143, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 143, 72);  
box-shadow:4px 4px 4px 4px rgb(84, 143,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9976, 0.3167, 0.4756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 143, 72) }
```

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

```
.background{ background-color: rgb(84, 143,  
72) }
```

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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