

Converting Colors

$Yxy(16.8576, 0.3140, 0.4106)$

Have a look what the booklet for
Yxy(16.8576, 0.3140, 0.4106)
contains.

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Color

Yxy(16.7646, 0.3137, 0.4091)

Conversions

Conversions Part 1

Format	Color
Hex	5A7A56
RGB	90, 122, 86
RGB Percent	35%, 48%, 34%
CMY	0.6471, 0.5216, 0.6628
CMYK	0.26, 0.00, 0.30, 0.52
HSL	113°, 17%, 41%
HSV	113°, 30%, 48%
XYZ	12.8552, 16.7646, 11.3594
YIQ	108.3280, -7.5160, -17.9800

Conversions

Conversions Part 2

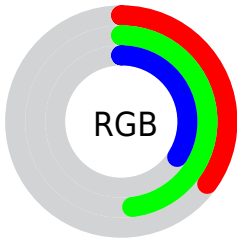
Format	Color
R _Y B	86, 122, 118
Decimal	5929558
CIE Lab	47.96, -19.04, 16.13
CIE LCh	48, 24.955, 139.739
Yxy	16.7646, 0.3137, 0.4091
Android (android.graphics.Color)	4284119638 (0xFF5A7A56)
YUV	108.3280, -11.0077, -16.0737
Hunter-Lab	40.9446, -15.6102, 12.2121

Details

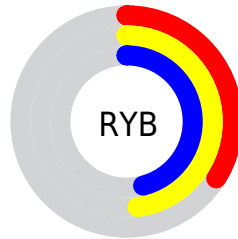
The Yxy color **16.7646, 0.3137, 0.4091** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.9096, 0.3099, 0.2579**, and the grayscale version is **15.1263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1002, 0.3142, 0.3892**, and **5.4319, 0.3121, 0.4507** is the 20% darker color. If you saturate the color by 10%, you get **16.0806, 0.3135, 0.4412**, and if you desaturate by 10%, it is **17.5629, 0.3136, 0.3792**.

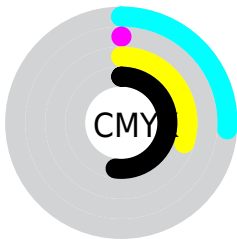
Distribution



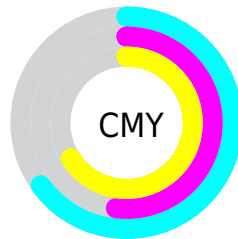
- Red (35%)
- Green (48%)
- Blue (34%)



- Red (34%)
- Yellow (48%)
- Blue (46%)



- Cyan (26%)
- Magenta (0%)
- Yellow (30%)
- Black (52%)





- Cyan (65%)
- Magenta (52%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7646, 0.3137, 0.4091 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 16.7646, 0.3137, 0.4091 by changing the saturation by 10% instead.


 16.7646, 0.3137,
0.4091

 16.7646, 0.3137,
0.4091


233.8122, 0.3141,
0.3606

 10.0668, 0.3129,
0.4254


 37.9206, 0.3142,
0.3888


 5.4433, 0.3112,
0.4499

 53.1476, 0.3143,
0.3820

 2.5096, 0.3067,
0.4902

 71.9864, 0.3143,
0.3767

 0.8814, 0.2973,
0.7027

 94.8215, 0.3142,
0.3723

 0.0000, 0.0000,
0.0000

 122.0372, 0.3142,
0.3686

154.0180, 0.3142,

0.3655

191.1482, 0.3141,
0.3629

■ 16.7646, 0.3137,
0.4091

■ 16.7646, 0.3137,
0.4091

■ 16.0806, 0.3135,
0.4412

■ 17.5629, 0.3136,
0.3792

■ 15.5037, 0.3129,
0.4744

■ 18.4782, 0.3132,
0.3521

■ 15.0289, 0.3118,
0.5072

■ 19.5156, 0.3127,
0.3279

■ 14.6504, 0.3102,
0.5376

■ 20.6795, 0.3120,
0.3066

■ 14.3615, 0.3081,
0.5633

■ 21.9740, 0.3113,
0.2879

■ 14.1546, 0.3058,
0.5825

■ 23.4029, 0.3106,
0.2716

■ 14.0155, 0.3040,
0.5962

■ 24.9699, 0.3099,
0.2575

■ 14.0101, 0.3040,
0.5969

■ 26.6787, 0.3091,
0.2452

■ 28.5327, 0.3084,
0.2345

Harmonies

Analogous

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



16.7646, 0.3613, 0.4172



16.7646, 0.3137, 0.4091



16.7646, 0.2680, 0.3730

Triad

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



16.7646, 0.3137, 0.4091



16.7646, 0.2324, 0.2567



16.7646, 0.3953, 0.3255

Complementary

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



16.7646, 0.3137, 0.4091



11.9096, 0.3099, 0.2579

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.



16.7646, 0.3555, 0.2896



16.7646, 0.3137, 0.4091



16.7646, 0.2612, 0.2510

Square

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



16.7646, 0.3137, 0.4091



16.7646, 0.2235, 0.2818



16.7646, 0.3055, 0.2631



16.7646, 0.4108, 0.3645

Rectangle

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



16.7646, 0.3137, 0.4091



16.7646, 0.2445, 0.3405



16.7646, 0.3055, 0.2631



16.7646, 0.3842, 0.3128

Sweetspot

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



16.7653, 0.3137, 0.4091



32.5588, 0.3132, 0.3513



17.7198, 0.3571, 0.3916



7.3977, 0.3133, 0.3544



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.7653, 0.3137, 0.4091



28.7092, 0.3136, 0.4292



16.8139, 0.2943, 0.3782



4.4694, 0.3132, 0.3510



14.7473, 0.3039, 0.5969



70.1525, 0.3022, 0.5983

Inverse Universe

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



11.9096, 0.3099, 0.2579



18.7950, 0.3090, 0.2425



11.8783, 0.3371, 0.2846



4.0559, 0.3121, 0.3078



4.8607, 0.2939, 0.1393



22.9557, 0.2924, 0.1385

Previews

White Background



This preview shows how the Yxy color 16.7646, 0.3137, 0.4091 looks on a white 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

Black Background



This preview shows how the Yxy color 16.7646, 0.3137, 0.4091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

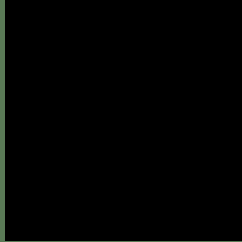
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7646, 0.3137, 0.4091

Background



This preview shows how black text looks on a background with the Yxy color 16.7646, 0.3137, 0.4091.



This preview shows how white text looks on a background with the Yxy color 16.7646, 0.3137, 0.4091.

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

16.7646, 0.3137, 0.4091

Protanopia

16.5570, 0.3647, 0.3907

Deuteranopia

16.6451, 0.3736, 0.3669



Tritanopia

16.7703, 0.2788, 0.3105

Trichromacy



Original Color

16.7646, 0.3137, 0.4091

Protanomaly

16.4303, 0.3450, 0.3981

Deuteranomaly

16.5211, 0.3494, 0.3819

Tritanomaly

16.7210, 0.2914, 0.3460

Monochromacy



Original Color

16.7646, 0.3137, 0.4091

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.4971, 0.3127, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7646, 0.3137, 0.4091 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(90, 122, 86)` looks like.

```
.text, #text, p{  
    color:rgb(90, 122, 86)  
}
```

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(90, 122, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 122, 86) }
```

Border

The CSS property to change the border of an element to Yxy 16.7646, 0.3137, 0.4091 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(90, 122, 86) }
```

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

```
.border{ border-color:rgb(90, 122, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 122, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 122, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 122, 86);  
box-shadow:4px 4px 4px 4px rgb(90, 122,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7646, 0.3137, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 122, 86) }
```

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

```
.background{ background-color: rgb(90, 122,  
86) }
```

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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