

Converting Colors

$Y_{xy}(16.7127, 0.3090, 0.4042)$

Have a look what the booklet for
Yxy(16.7127, 0.3090, 0.4042)
contains.

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Color

Yxy(16.6984, 0.3091, 0.4050)

Conversions

Conversions Part 1

Format	Color
Hex	587A58
RGB	88, 122, 88
RGB Percent	35%, 48%, 35%
CMY	0.6550, 0.5215, 0.6548
CMYK	0.28, 0.00, 0.28, 0.52
HSL	120°, 16%, 41%
HSV	120°, 28%, 48%
XYZ	12.7444, 16.6984, 11.7878
YIQ	107.9580, -9.3500, -17.7820

Conversions

Conversions Part 2

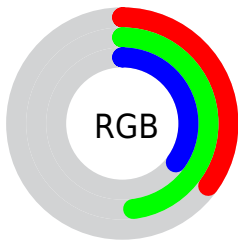
Format	Color
R_{YB}	88, 122, 122
Decimal	5798488
CIE _{Lab}	47.88, -19.42, 14.81
CIE _{LCh}	48, 24.424, 142.664
Yxy	16.6984, 0.3091, 0.4050
Android (android.graphics.Color)	4283988568 (0xFF587A58)
YUV	107.9580, -9.8393, -17.5032
Hunter-Lab	40.8637, -15.8416, 11.5013

Details

The Yxy color **16.6984, 0.3091, 0.4050** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.5178, 0.3159, 0.2632**, and the grayscale version is **15.0133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9839, 0.3109, 0.3864**, and **5.4037, 0.3056, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **15.9675, 0.3076, 0.4376**, and if you desaturate by 10%, it is **17.5641, 0.3105, 0.3750**.

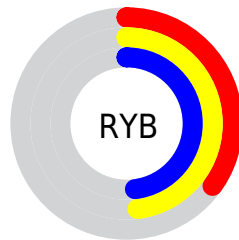
Distribution



Red (35%)

Green (48%)

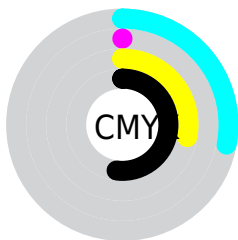
Blue (35%)



Red (35%)

Yellow (48%)

Blue (48%)

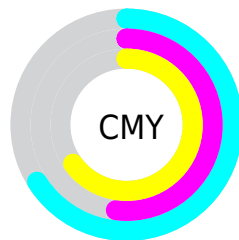


Cyan (28%)

Magenta (0%)

Yellow (28%)

Black (52%)



Cyan (66%)


Magenta (52%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6984, 0.3091, 0.4050 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 16.6984, 0.3091, 0.4050 by changing the saturation by 10% instead.


 16.6984, 0.3091,
0.4050

 16.6984, 0.3091,
0.4050


233.4283, 0.3121,
0.3590


 10.0197, 0.3076,
0.4205


 37.8065, 0.3106,
0.3857


 5.4120, 0.3048,
0.4439

 53.0047, 0.3111,
0.3793


 2.4910, 0.2989,
0.4826

 71.8114, 0.3114,
0.3742

 0.8721, 0.2892,
0.7108

 94.6112, 0.3116,
0.3700

 0.0000, 0.0000,
0.0000

 121.7884, 0.3118,
0.3666

153.7274, 0.3119,

0.3636

190.8126, 0.3120,
0.3611

■ 16.6984, 0.3091,
0.4050

■ 16.6984, 0.3091,
0.4050

■ 15.9675, 0.3076,
0.4376

■ 17.5641, 0.3105,
0.3750

■ 15.3626, 0.3059,
0.4718

■ 18.5688, 0.3118,
0.3480

■ 14.8774, 0.3043,
0.5058

■ 19.7188, 0.3129,
0.3243

■ 14.5037, 0.3029,
0.5374

■ 21.0196, 0.3139,
0.3035

■ 14.2329, 0.3016,
0.5641

■ 22.4765, 0.3148,
0.2856

■ 14.0546, 0.3007,
0.5838

■ 24.0943, 0.3155,
0.2702

■ 13.9432, 0.3001,
0.5971

■ 25.8777, 0.3162,
0.2569

■ 13.9210, 0.3000,
0.5999

■ 27.8314, 0.3167,
0.2454

■ 29.9596, 0.3172,
0.2355

Harmonies

Analogous

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



16.6984, 0.3562, 0.4160



16.6984, 0.3091, 0.4050



16.6984, 0.2651, 0.3677

Triad

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



16.6984, 0.3091, 0.4050



16.6984, 0.2358, 0.2567



16.6984, 0.3964, 0.3293

Complementary

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



16.6984, 0.3091, 0.4050



12.5178, 0.3159, 0.2632

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.



16.6984, 0.3592, 0.2934



16.6984, 0.3091, 0.4050



16.6984, 0.2658, 0.2529

Square

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



16.6984, 0.3091, 0.4050



16.6984, 0.2251, 0.2795



16.6984, 0.3105, 0.2662



16.6984, 0.4088, 0.3675

Rectangle

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



16.6984, 0.3091, 0.4050



16.6984, 0.2431, 0.3356



16.6984, 0.3105, 0.2662



16.6984, 0.3862, 0.3168

Sweetspot

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



16.6991, 0.3091, 0.4050



32.6075, 0.3118, 0.3488



18.7629, 0.3528, 0.3952



7.4012, 0.3116, 0.3521



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.



16.6991, 0.3091, 0.4050



28.5880, 0.3082, 0.4240



17.0140, 0.2911, 0.3661



4.4500, 0.3117, 0.3510



14.6549, 0.3000, 0.5999



69.9045, 0.3000, 0.5999

Inverse Universe

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



12.5178, 0.3159, 0.2632



20.0421, 0.3165, 0.2494



12.1333, 0.3417, 0.2948



4.0774, 0.3137, 0.3079



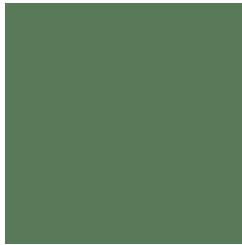
5.8316, 0.3212, 0.1543



27.8161, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 16.6984, 0.3091, 0.4050 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 16.6984, 0.3091, 0.4050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

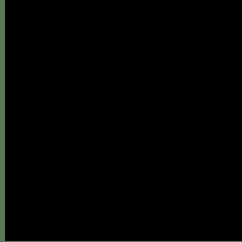
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6984, 0.3091, 0.4050

Background



This preview shows how black text looks on a background with the Yxy color 16.6984, 0.3091, 0.4050.



This preview shows how white text looks on a background with the Yxy color 16.6984, 0.3091, 0.4050.

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

16.6984, 0.3091, 0.4050

Protanopia

16.5153, 0.3607, 0.3870

Deuteranopia

16.5981, 0.3693, 0.3633



Tritanopia

16.6618, 0.2766, 0.3104

Trichromacy



Original Color

16.6984, 0.3091, 0.4050

Protanomaly

16.3979, 0.3411, 0.3942

Deuteranomaly

16.4858, 0.3454, 0.3780

Tritanomaly

16.6388, 0.2880, 0.3439

Monochromacy



Original Color

16.6984, 0.3091, 0.4050

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.5165, 0.3115, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6984, 0.3091, 0.4050 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(88, 122, 88)` looks like.

```
.text, #text, p{  
    color:rgb(88, 122, 88)  
}
```

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(88, 122, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 122, 88) }
```

Border

The CSS property to change the border of an element to Yxy 16.6984, 0.3091, 0.4050 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(88, 122, 88) }
```

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

```
.border{ border-color:rgb(88, 122, 88) }
```

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

Here you see how a box with a 4 pixel rgb(88, 122, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 122, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 122, 88);  
box-shadow:4px 4px 4px 4px rgb(88, 122,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6984, 0.3091, 0.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 122, 88) }
```

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

```
.background{ background-color: rgb(88, 122,  
88) }
```

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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