

Converting Colors

$Y_{xy}(16.3990, 0.2955, 0.4022)$

Have a look what the booklet for
Yxy(16.3990, 0.2955, 0.4022)
contains.

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Color

Yxy(16.2941, 0.2946, 0.4004)

Conversions

Conversions Part 1

Format	Color
Hex	4E7A5B
RGB	78, 122, 91
RGB Percent	31%, 48%, 36%
CMY	0.6942, 0.5215, 0.6431
CMYK	0.36, 0.00, 0.25, 0.52
HSL	138°, 22%, 39%
HSV	138°, 36%, 48%
XYZ	11.9886, 16.2941, 12.4118
YIQ	105.3100, -16.2730, -18.9690

Conversions

Conversions Part 2

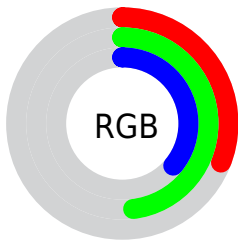
Format	Color
RYB	78, 112, 122
Decimal	5143131
CIELab	47.36, -22.34, 12.26
CIELCh	47, 25.486, 151.236
Yxy	16.2941, 0.2946, 0.4004
Android (android.graphics.Color)	4283333211 (0xFF4E7A5B)
YUV	105.3100, -7.0548, -23.9509
Hunter-Lab	40.3660, -17.6262, 10.0255

Details

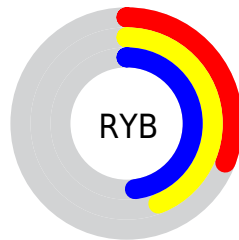
The Yxy color **16.2941, 0.2946, 0.4004** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.6876, 0.3376, 0.2671**, and the grayscale version is **14.2371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2502, 0.3000, 0.3829**, and **5.2306, 0.2842, 0.4382** is the 20% darker color. If you saturate the color by 10%, you get **15.6866, 0.2905, 0.4246**, and if you desaturate by 10%, it is **17.0155, 0.2993, 0.3780**.

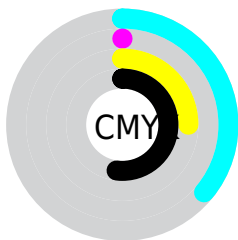
Distribution



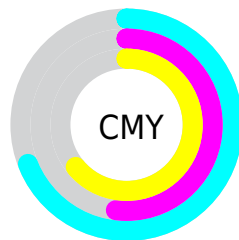
- Red (31%)
- Green (48%)
- Blue (36%)



- Red (31%)
- Yellow (44%)
- Blue (48%)



- Cyan (36%)
- Magenta (0%)
- Yellow (25%)
- Black (52%)




- Cyan (69%)
- Magenta (52%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2941, 0.2946, 0.4004 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 16.2941, 0.2946, 0.4004 by changing the saturation by 10% instead.


 16.2941, 0.2946,
0.4004


 16.2941, 0.2946,
0.4004

231.0709, 0.3060,
0.3569


 9.7325, 0.2905,
0.4152


 37.1080, 0.2995,
0.3821


 5.2220, 0.2839,
0.4377

 52.1291, 0.3011,
0.3761


 2.3781, 0.2723,
0.4755

 70.7389, 0.3024,
0.3712

 0.8146, 0.2133,
0.7592

 93.3217, 0.3034,
0.3673

 0.0000, 0.0000,
0.0000

 120.2619, 0.3042,
0.3641

151.9439, 0.3049,

0.3613

188.7521, 0.3055,
0.3590

■ 16.2941, 0.2946,
0.4004

■ 16.2941, 0.2946,
0.4004

■ 15.6866, 0.2905,
0.4246

■ 17.0155, 0.2993,
0.3780

■ 15.1852, 0.2872,
0.4500

■ 17.8543, 0.3044,
0.3575

■ 14.7841, 0.2850,
0.4760


■ 18.8162, 0.3096,
0.3392


■ 14.4762, 0.2841,
0.5015


■ 19.9059, 0.3147,
0.3229


■ 14.2533, 0.2848,
0.5255


■ 21.1281, 0.3198,
0.3085

 14.1009, 0.2867,
0.5468

 22.4869, 0.3247,
0.2958

 14.0485, 0.2874,
0.5545

 23.9865, 0.3293,
0.2848

 25.6309, 0.3337,
0.2751

 27.4237, 0.3379,
0.2667

Harmonies

Analogous

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



16.2941, 0.3445, 0.4206



16.2941, 0.2946, 0.4004



16.2941, 0.2518, 0.3554

Triad

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



16.2941, 0.2946, 0.4004



16.2941, 0.2391, 0.2501



16.2941, 0.4076, 0.3406

Complementary

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



16.2941, 0.2946, 0.4004



10.6876, 0.3376, 0.2671

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.



16.2941, 0.3747, 0.3017



16.2941, 0.2946, 0.4004



16.2941, 0.2756, 0.2516

Square

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



16.2941, 0.2946, 0.4004



16.2941, 0.2220, 0.2680



16.2941, 0.3251, 0.2702



16.2941, 0.4119, 0.3799

Rectangle

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



16.2941, 0.2946, 0.4004



16.2941, 0.2324, 0.3213



16.2941, 0.3251, 0.2702



16.2941, 0.3994, 0.3272

Sweetspot

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



16.2948, 0.2946, 0.4004



32.1959, 0.3069, 0.3484



17.7553, 0.3475, 0.4196



7.3216, 0.3063, 0.3503



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.



16.2948, 0.2946, 0.4004



27.7982, 0.2912, 0.4195



16.7196, 0.2732, 0.3500



4.4677, 0.3080, 0.3444



14.7880, 0.2875, 0.5550



70.4076, 0.2899, 0.5637

Inverse Universe

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



10.6876, 0.3376, 0.2671



16.4459, 0.3450, 0.2536



10.2805, 0.3760, 0.3094



4.0583, 0.3178, 0.3141



5.0605, 0.4094, 0.2029



23.9841, 0.4152, 0.2061

Previews

White Background



This preview shows how the Yxy color 16.2941, 0.2946, 0.4004 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 16.2941, 0.2946, 0.4004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

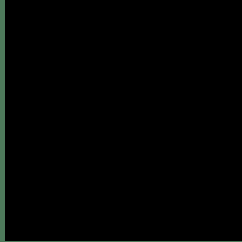
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2941, 0.2946, 0.4004

Background



This preview shows how black text looks on a background with the Yxy color 16.2941, 0.2946, 0.4004.



This preview shows how white text looks on a background with the Yxy color 16.2941, 0.2946, 0.4004.

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

16.2941, 0.2946, 0.4004

Protanopia

16.1822, 0.3557, 0.3817

Deuteranopia

16.2004, 0.3613, 0.3562



Tritanopia

16.1862, 0.2650, 0.3078

Trichromacy



Original Color

16.2941, 0.2946, 0.4004

Protanomaly

16.1384, 0.3307, 0.3891

Deuteranomaly

15.9156, 0.3336, 0.3710

Tritanomaly

16.2024, 0.2751, 0.3399

Monochromacy



Original Color

16.2941, 0.2946, 0.4004

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.7219, 0.3050, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2941, 0.2946, 0.4004 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(78, 122, 91)` looks like.

```
.text, #text, p{  
  color:rgb(78, 122, 91)  
}
```

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(78, 122, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 122, 91) }
```

Border

The CSS property to change the border of an element to Yxy 16.2941, 0.2946, 0.4004 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(78, 122, 91) }
```

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

```
.border{ border-color:rgb(78, 122, 91) }
```

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

Here you see how a box with a 4 pixel rgb(78, 122, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 122, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 122, 91);  
box-shadow:4px 4px 4px 4px rgb(78, 122,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2941, 0.2946, 0.4004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 122, 91) }
```

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

```
.background{ background-color: rgb(78, 122,  
91) }
```

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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