

Converting Colors

$Y_{xy}(16.2013, 0.3195, 0.4026)$

Have a look what the booklet for
Yxy(16.2013, 0.3195, 0.4026)
contains.

Yxy(16.2452, 0.3191, 0.4021)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.2452, 0.3191, 0.4021)

Conversions

Conversions Part 1

Format	Color
Hex	5E7756
RGB	94, 119, 86
RGB Percent	37%, 47%, 34%
CMY	0.6314, 0.5333, 0.6627
CMYK	0.21, 0.00, 0.28, 0.53
HSL	106°, 16%, 40%
HSV	106°, 28%, 47%
XYZ	12.8919, 16.2452, 11.2638
YIQ	107.7630, -4.3070, -15.5630

Conversions

Conversions Part 2

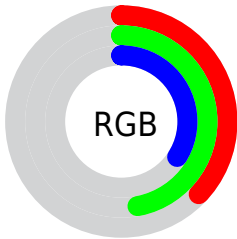
Format	Color
R_{YB}	86, 119, 111
Decimal	6190934
CIE _{Lab}	47.29, -15.92, 15.24
CIE _{LCh}	47, 22.041, 136.250
Yxy	16.2452, 0.3191, 0.4021
Android (android.graphics.Color)	4284381014 (0xFF5E7756)
YUV	107.7630, -10.7292, -12.0702
Hunter-Lab	40.3053, -13.4399, 11.6445

Details

The Yxy color **16.2452, 0.3191, 0.4021** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.3725, 0.3036, 0.2612**, and the grayscale version is **14.9577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9231, 0.3183, 0.3830**, and **5.1379, 0.3205, 0.4397** is the 20% darker color. If you saturate the color by 10%, you get **15.6202, 0.3207, 0.4326**, and if you desaturate by 10%, it is **16.9594, 0.3170, 0.3735**.

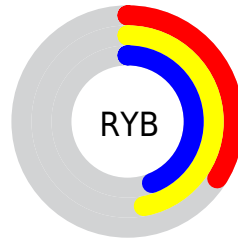
Distribution



Red (37%)

Green (47%)

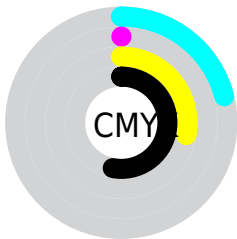
Blue (34%)



Red (34%)

Yellow (47%)

Blue (44%)

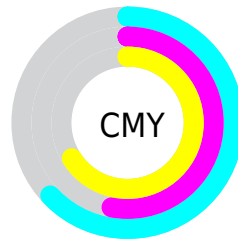


Cyan (21%)

Magenta (0%)

Yellow (28%)

Black (53%)



Cyan (63%)


Magenta (53%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2452, 0.3191, 0.4021 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 16.2452, 0.3191, 0.4021 by changing the saturation by 10% instead.


 16.2452, 0.3191,
0.4021


 16.2452, 0.3191,
0.4021


230.7843, 0.3161,
0.3578


 9.6978, 0.3195,
0.4170


 37.0234, 0.3182,
0.3836


 5.1991, 0.3196,
0.4393

 52.0229, 0.3178,
0.3774

 2.3645, 0.3182,
0.4763

 70.6087, 0.3174,
0.3725

 0.8076, 0.3193,
0.6807

 93.1651, 0.3171,
0.3685

 0.0000, 0.0000,
0.0000

 120.0764, 0.3168,
0.3652

151.7271, 0.3165,

0.3623

188.5016, 0.3163,
0.3599

■ 16.2452, 0.3191,
0.4021

■ 16.2452, 0.3191,
0.4021

■ 15.6202, 0.3207,
0.4326

■ 16.9594, 0.3170,
0.3735

■ 15.0787, 0.3217,
0.4643

■ 17.7639, 0.3146,
0.3474

■ 14.6178, 0.3218,
0.4958

■ 18.6626, 0.3121,
0.3239

■ 14.2334, 0.3209,
0.5255

■ 19.6585, 0.3096,
0.3029

■ 13.9211, 0.3189,
0.5515

■ 20.7543, 0.3071,
0.2843

■ 13.6759, 0.3158,
0.5721

■ 21.9529, 0.3047,
0.2680

■ 13.4890, 0.3123,
0.5874

■ 23.2567, 0.3023,
0.2536

■ 13.4523, 0.3117,
0.5907

■ 24.6684, 0.3002,
0.2410

■ 26.1904, 0.2981,
0.2299

Harmonies

Analogous

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



16.2452, 0.3611, 0.4069



16.2452, 0.3191, 0.4021



16.2452, 0.2772, 0.3727

Triad

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



16.2452, 0.3191, 0.4021



16.2452, 0.2385, 0.2659



16.2452, 0.3832, 0.3222

Complementary

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



16.2452, 0.3191, 0.4021



11.3725, 0.3036, 0.2612

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.



16.2452, 0.3460, 0.2902



16.2452, 0.3191, 0.4021



16.2452, 0.2627, 0.2584

Square

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



16.2452, 0.3191, 0.4021



16.2452, 0.2326, 0.2908



16.2452, 0.3014, 0.2675



16.2452, 0.4000, 0.3575

Rectangle

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



16.2452, 0.3191, 0.4021



16.2452, 0.2548, 0.3446



16.2452, 0.3014, 0.2675



16.2452, 0.3725, 0.3109

Sweetspot

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



16.2459, 0.3191, 0.4021



31.7338, 0.3148, 0.3486



15.9107, 0.3563, 0.3793



7.4746, 0.3151, 0.3519



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.



16.2459, 0.3191, 0.4021



28.3854, 0.3202, 0.4206



15.9871, 0.3002, 0.3849



4.1370, 0.3150, 0.3507



14.2869, 0.3115, 0.5909



69.2807, 0.3086, 0.5932

Inverse Universe

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



11.3725, 0.3036, 0.2612



18.1831, 0.3010, 0.2455



11.7231, 0.3282, 0.2790



3.7155, 0.3102, 0.3078



3.7339, 0.2625, 0.1220



17.7850, 0.2593, 0.1202

Previews

White Background



This preview shows how the Yxy color 16.2452, 0.3191, 0.4021 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 16.2452, 0.3191, 0.4021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

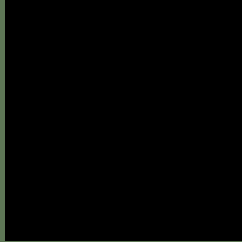
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2452, 0.3191, 0.4021

Background



This preview shows how black text looks on a background with the Yxy color 16.2452, 0.3191, 0.4021.



This preview shows how white text looks on a background with the Yxy color 16.2452, 0.3191, 0.4021.

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

16.2452, 0.3191, 0.4021

Protanopia

16.2059, 0.3611, 0.3875

Deuteranopia

16.0453, 0.3732, 0.3656



Tritanopia

16.1740, 0.2850, 0.3104

Trichromacy



Original Color

16.2452, 0.3191, 0.4021

Protanomaly

16.2811, 0.3455, 0.3938

Deuteranomaly

15.9086, 0.3534, 0.3780

Tritanomaly

16.2132, 0.2971, 0.3417

Monochromacy



Original Color

16.2452, 0.3191, 0.4021

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.3920, 0.3155, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2452, 0.3191, 0.4021 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(94, 119, 86)` looks like.

```
.text, #text, p{  
    color:rgb(94, 119, 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(94, 119, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 119, 86) }
```

Border

The CSS property to change the border of an element to Yxy 16.2452, 0.3191, 0.4021 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(94, 119, 86) }
```

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

```
.border{ border-color:rgb(94, 119, 86) }
```

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

Here you see how a box with a 4 pixel rgb(94, 119, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 119, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 119, 86);  
box-shadow:4px 4px 4px 4px rgb(94, 119,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2452, 0.3191, 0.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 119, 86) }
```

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

```
.background{ background-color: rgb(94, 119,  
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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