

Converting Colors

$Y_{xy}(18.1524, 0.3455, 0.4037)$

Have a look what the booklet for
Yxy(18.1524, 0.3455, 0.4037)
contains.

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Color

Yxy(18.1524, 0.3455, 0.4037)

Conversions

Conversions Part 1

Format	Color
Hex	727A55
RGB	114, 122, 85
RGB Percent	45%, 48%, 33%
CMY	0.5531, 0.5215, 0.6667
CMYK	0.07, 0.00, 0.30, 0.52
HSL	73°, 18%, 41%
HSV	73°, 30%, 48%
XYZ	15.5354, 18.1524, 11.2772
YIQ	115.3900, 7.1090, -13.2030

Conversions

Conversions Part 2

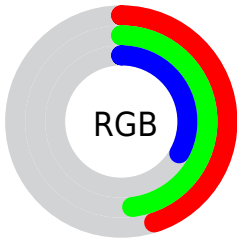
Format	Color
RYB	85, 122, 93
Decimal	7502421
CIELab	49.68, -9.73, 19.32
CIElCh	50, 21.628, 116.725
Yxy	18.1524, 0.3455, 0.4037
Android (android.graphics.Color)	4285692501 (0xFF727A55)
YUV	115.3900, -14.9823, -1.2190
Hunter-Lab	42.6056, -9.4728, 14.1305

Details

The Yxy color **18.1524, 0.3455, 0.4037** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.2300, 0.2731, 0.2477**, and the grayscale version is **17.3127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1284, 0.3382, 0.3852**, and **6.0354, 0.3574, 0.4377** is the 20% darker color. If you saturate the color by 10%, you get **17.8006, 0.3557, 0.4292**, and if you desaturate by 10%, it is **18.5444, 0.3348, 0.3782**.

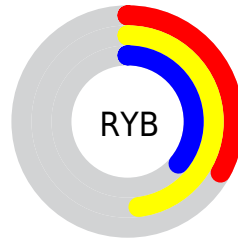
Distribution



Red (45%)

Green (48%)

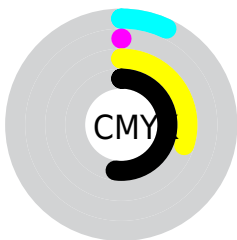
Blue (33%)



Red (33%)

Yellow (48%)

Blue (36%)

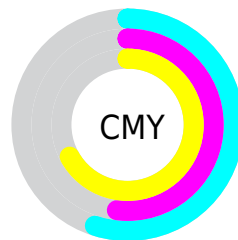


Cyan (7%)

Magenta (0%)

Yellow (30%)

Black (52%)



Cyan (55%)


Magenta (52%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1524, 0.3455, 0.4037 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 18.1524, 0.3455, 0.4037 by changing the saturation by 10% instead.


 18.1524, 0.3455,
0.4037


 18.1524, 0.3455,
0.4037


241.7286, 0.3272,
0.3597


 11.0595, 0.3506,
0.4176


 40.2968, 0.3384,
0.3857


 6.1068, 0.3574,
0.4377


 56.1171, 0.3359,
0.3796


 2.9102, 0.3663,
0.4689

 75.6153, 0.3338,
0.3747

 1.0850, 0.4186,
0.5814

 99.1758, 0.3321,
0.3706

 0.0000, 0.0000,
0.0000

 127.1830, 0.3306,
0.3672

160.0213, 0.3293,

0.3644

198.0750, 0.3282,
0.3619

■ 18.1524, 0.3455,
0.4037

■ 18.1524, 0.3455,
0.4037

■ 17.8006, 0.3557,
0.4292

■ 18.5444, 0.3348,
0.3782

■ 17.4848, 0.3648,
0.4537

■ 18.9759, 0.3239,
0.3534

■ 17.2040, 0.3725,
0.4765

■ 19.4491, 0.3131,
0.3298


■ 16.9559, 0.3783,
0.4965

■ 19.9655, 0.3027,
0.3076

■ 16.7383, 0.3818,
0.5129


■ 20.5265, 0.2927,
0.2870


 16.5485, 0.3830,
0.5251

 21.1334, 0.2834,
0.2682

 16.3822, 0.3827,
0.5343

 21.7874, 0.2747,
0.2510

 22.4898, 0.2667,
0.2354

 23.2417, 0.2593,
0.2213

Harmonies

Analogous

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



18.1524, 0.3791, 0.3937



18.1524, 0.3455, 0.4037



18.1524, 0.3045, 0.3905

Triad

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



18.1524, 0.3455, 0.4037



18.1524, 0.2365, 0.2830



18.1524, 0.3580, 0.3021

Complementary

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



18.1524, 0.3455, 0.4037



10.2300, 0.2731, 0.2477

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.



18.1524, 0.3168, 0.2768



18.1524, 0.3455, 0.4037



18.1524, 0.2484, 0.2648

Square

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



18.1524, 0.3455, 0.4037



18.1524, 0.2431, 0.3162



18.1524, 0.2769, 0.2633



18.1524, 0.3875, 0.3344

Rectangle

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



18.1524, 0.3455, 0.4037



18.1524, 0.2786, 0.3696



18.1524, 0.2769, 0.2633



18.1524, 0.3449, 0.2926

Sweetspot

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



18.1532, 0.3455, 0.4037



33.4670, 0.3226, 0.3507



12.6251, 0.3719, 0.3457



7.6304, 0.3239, 0.3536



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.



18.1532, 0.3455, 0.4037



31.5178, 0.3522, 0.4204



17.0365, 0.3215, 0.4097



4.5921, 0.3225, 0.3504



17.2405, 0.3826, 0.5344



81.8563, 0.3807, 0.5360

Inverse Universe

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



10.2300, 0.2731, 0.2477



15.3624, 0.2626, 0.2275



11.3146, 0.3001, 0.2537



3.9317, 0.3024, 0.3071



1.7144, 0.1638, 0.0676



7.8646, 0.1600, 0.0655

Previews

White Background



This preview shows how the Yxy color 18.1524, 0.3455, 0.4037 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 18.1524, 0.3455, 0.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

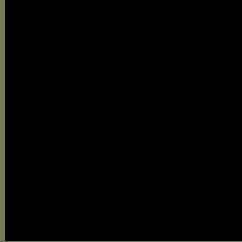
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

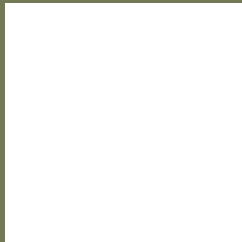
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.1524, 0.3455, 0.4037

Background



This preview shows how black text looks on a background with the Yxy color 18.1524, 0.3455, 0.4037.



This preview shows how white text looks on a background with the Yxy color 18.1524, 0.3455, 0.4037.

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

18.1524, 0.3455, 0.4037

Protanopia

18.0934, 0.3676, 0.3961

Deuteranopia

18.0738, 0.3838, 0.3762



Tritanopia

18.1509, 0.3048, 0.3119

Trichromacy



Original Color

18.1524, 0.3455, 0.4037

Protanomaly

17.9713, 0.3590, 0.3976

Deuteranomaly

17.9880, 0.3706, 0.3857

Tritanomaly

18.1233, 0.3196, 0.3447

Monochromacy



Original Color

18.1524, 0.3455, 0.4037

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.6012, 0.3255, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1524, 0.3455, 0.4037 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(114, 122, 85)` looks like.

```
.text, #text, p{  
    color:rgb(114, 122, 85)  
}
```

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(114, 122, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 122, 85) }
```

Border

The CSS property to change the border of an element to Yxy 18.1524, 0.3455, 0.4037 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(114, 122, 85) }
```

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

```
.border{ border-color:rgb(114, 122, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 122, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 122, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 122, 85);  
box-shadow:4px 4px 4px 4px rgb(114, 122,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1524, 0.3455, 0.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 122, 85) }
```

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

```
.background{ background-color: rgb(114,  
122, 85) }
```

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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