

Converting Colors

$Y_{xy}(11.6332, 0.3373, 0.4300)$

Have a look what the booklet for
Yxy(11.6332, 0.3373, 0.4300)
contains.

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Color

Yxy(11.6895, 0.3377, 0.4296)

Conversions

Conversions Part 1

Format	Color
Hex	53663E
RGB	83, 102, 62
RGB Percent	33%, 40%, 24%
CMY	0.6745, 0.6000, 0.7568
CMYK	0.19, 0.00, 0.39, 0.60
HSL	89°, 24%, 32%
HSV	89°, 39%, 40%
XYZ	9.1889, 11.6895, 6.3318
YIQ	91.7590, 1.5160, -16.4680

Conversions

Conversions Part 2

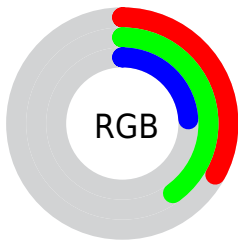
Format	Color
RYB	62, 102, 81
Decimal	5465662
CIELab	40.72, -15.00, 20.30
CIELCh	41, 25.242, 126.447
Yxy	11.6895, 0.3377, 0.4296
Android (android.graphics.Color)	4283655742 (0xFF53663E)
YUV	91.7590, -14.6712, -7.6816
Hunter-Lab	34.1899, -11.8587, 12.9527

Details

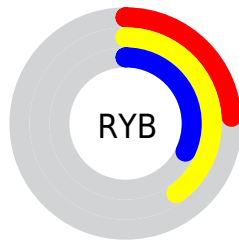
The Yxy color **11.6895, 0.3377, 0.4296** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.1563, 0.2780, 0.2277**, and the grayscale version is **10.6790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8948, 0.3324, 0.4022**, and **3.1694, 0.3458, 0.4896** is the 20% darker color. If you saturate the color by 10%, you get **11.3755, 0.3426, 0.4574**, and if you desaturate by 10%, it is **12.0409, 0.3319, 0.4021**.

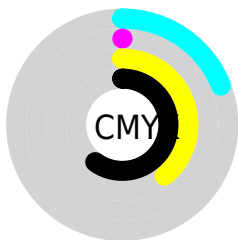
Distribution



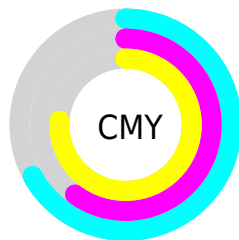
- Red (33%)
- Green (40%)
- Blue (24%)



- Red (24%)
- Yellow (40%)
- Blue (32%)



- Cyan (19%)
- Magenta (0%)
- Yellow (39%)
- Black (60%)



- Cyan (67%)
- Magenta (60%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6895, 0.3377, 0.4296 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 11.6895, 0.3377, 0.4296 by changing the saturation by 10% instead.

■ 11.6895, 0.3377,
0.4296

■ 11.6895, 0.3377,
0.4296

■ 202.3387, 0.3238,
0.3661

■ 6.5326, 0.3411,
0.4527

■ 28.9283, 0.3325,
0.4020

■ 3.1716, 0.3446,
0.4887

■ 41.7790, 0.3305,
0.3932

■ 1.2219, 0.3840,
0.6160

■ 57.9632, 0.3289,
0.3862

■ 0.0795, 0.0000,
1.0000

■ 77.8651, 0.3275,
0.3806

■ 0.0000, 0.0000,
0.0000

■ 101.8692, 0.3264,
0.3760

■ 130.3599, 0.3254,

0.3722

163.7216, 0.3245,
0.3689

■ 11.6895, 0.3377,
0.4296

■ 11.6895, 0.3377,
0.4296

■ 11.3755, 0.3426,
0.4574

■ 12.0409, 0.3319,
0.4021

■ 11.0960, 0.3463,
0.4844

■ 12.4297, 0.3255,
0.3755

■ 10.8498, 0.3484,
0.5094


■ 12.8576, 0.3189,
0.3505

■ 10.6351, 0.3486,
0.5313

■ 13.3259, 0.3122,
0.3272

■ 10.4500, 0.3468,
0.5489


■ 13.8357, 0.3056,
0.3059

 10.2869, 0.3440,
0.5640

 14.3882, 0.2994,
0.2865

 10.2745, 0.3438,
0.5653

 14.9845, 0.2934,
0.2690

 15.6256, 0.2877,
0.2533

 16.3124, 0.2825,
0.2392

Harmonies

Analogous

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



11.6895, 0.3880, 0.4228



11.6895, 0.3377, 0.4296



11.6895, 0.2832, 0.4015

Triad

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



11.6895, 0.3377, 0.4296



11.6895, 0.2150, 0.2566



11.6895, 0.3895, 0.3057

Complementary

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



11.6895, 0.3377, 0.4296



6.1563, 0.2780, 0.2277

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.



11.6895, 0.3362, 0.2697



11.6895, 0.3377, 0.4296



11.6895, 0.2374, 0.2413

Square

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



11.6895, 0.3377, 0.4296



11.6895, 0.2153, 0.2938



11.6895, 0.2803, 0.2467



11.6895, 0.4210, 0.3486

Rectangle

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



11.6895, 0.3377, 0.4296



11.6895, 0.2519, 0.3672



11.6895, 0.2803, 0.2467



11.6895, 0.3733, 0.2926

Sweetspot

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



11.6900, 0.3377, 0.4296



22.3058, 0.3210, 0.3582



9.0096, 0.3848, 0.3740



5.2478, 0.3215, 0.3601



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



11.6900, 0.3377, 0.4296



19.9946, 0.3423, 0.4550



10.9191, 0.3093, 0.4390



3.2066, 0.3187, 0.3498



13.1726, 0.3429, 0.5660



68.1781, 0.3389, 0.5691

Inverse Universe

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



6.1563, 0.2780, 0.2277



8.8003, 0.2674, 0.2019



7.1540, 0.3144, 0.2380



2.8215, 0.3064, 0.3082



2.0306, 0.2017, 0.0885



10.0763, 0.1959, 0.0853

Previews

White Background



This preview shows how the Yxy color 11.6895, 0.3377, 0.4296 looks on a white background.

Color Contrast Check

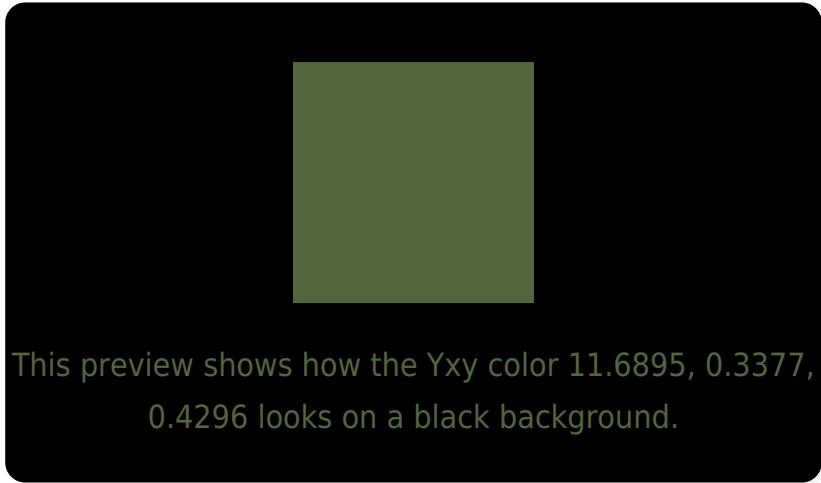
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

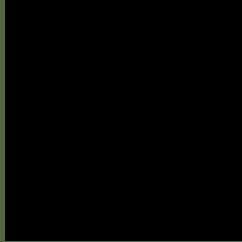
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6895, 0.3377, 0.4296

Background



This preview shows how black text looks on a background with the Yxy color 11.6895, 0.3377, 0.4296.



This preview shows how white text looks on a background with the Yxy color 11.6895, 0.3377, 0.4296.

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

11.6895, 0.3377, 0.4296

Protanopia

11.6350, 0.3784, 0.4111

Deuteranopia

11.6693, 0.3945, 0.3893



Tritanopia

11.6932, 0.2904, 0.3103

Trichromacy



Original Color

11.6895, 0.3377, 0.4296

Protanomaly

11.5591, 0.3621, 0.4171

Deuteranomaly

11.6082, 0.3724, 0.4050

Tritanomaly

11.6712, 0.3086, 0.3533

Monochromacy



Original Color

11.6895, 0.3377, 0.4296

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.0837, 0.3233, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6895, 0.3377, 0.4296 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(83, 102, 62)` looks like.

```
.text, #text, p{  
    color:rgb(83, 102, 62)  
}
```

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(83, 102, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 102, 62) }
```

Border

The CSS property to change the border of an element to Yxy 11.6895, 0.3377, 0.4296 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(83, 102, 62) }
```

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

```
.border{ border-color:rgb(83, 102, 62) }
```

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

Here you see how a box with a 4 pixel rgb(83, 102, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 102, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 102, 62);  
box-shadow:4px 4px 4px 4px rgb(83, 102,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6895, 0.3377, 0.4296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 102, 62) }
```

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

```
.background{ background-color: rgb(83, 102,  
62) }
```

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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