

Converting Colors

$Y_{xy}(21.8412, 0.3117, 0.4015)$

Have a look what the booklet for
Yxy(21.8412, 0.3117, 0.4015)
contains.

Yxy(21.7145, 0.3115, 0.4005)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(21.7145, 0.3115, 0.4005)$

Conversions

Conversions Part 1

Format	Color
Hex	678965
RGB	103, 137, 101
RGB Percent	40%, 54%, 40%
CMY	0.5960, 0.4627, 0.6039
CMYK	0.25, 0.00, 0.26, 0.46
HSL	117°, 15%, 47%
HSV	117°, 26%, 54%
XYZ	16.8891, 21.7145, 15.6149
YIQ	122.7300, -8.7080, -18.4040

Conversions

Conversions Part 2

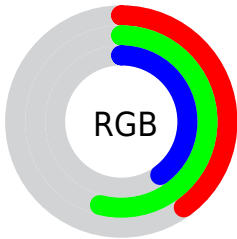
Format	Color
RYB	101, 137, 135
Decimal	6785381
CIELab	53.72, -19.43, 15.53
CIElCh	54, 24.871, 141.374
Yxy	21.7145, 0.3115, 0.4005
Android (android.graphics.Color)	4284975461 (0xFF678965)
YUV	122.7300, -10.7129, -17.3032
Hunter-Lab	46.5988, -16.8532, 12.7515

Details

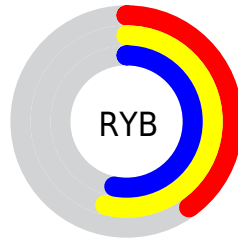
The Yxy color **21.7145, 0.3115, 0.4005** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.2662, 0.3130, 0.2657**, and the grayscale version is **19.7528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4972, 0.3125, 0.3843**, and **7.8950, 0.3094, 0.4323** is the 20% darker color. If you saturate the color by 10%, you get **20.7619, 0.3107, 0.4328**, and if you desaturate by 10%, it is **22.8321, 0.3121, 0.3708**.

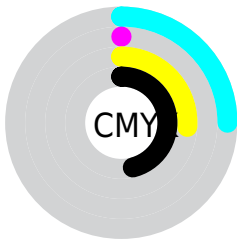
Distribution



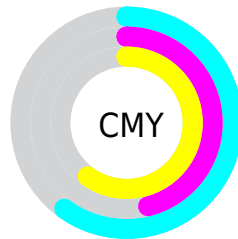
- Red (40%)
- Green (54%)
- Blue (40%)



- Red (40%)
- Yellow (54%)
- Blue (53%)



- Cyan (25%)
- Magenta (0%)
- Yellow (26%)
- Black (46%)



- Cyan (60%)
- Magenta (46%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7145, 0.3115, 0.4005 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 21.7145, 0.3115, 0.4005 by changing the saturation by 10% instead.

■ 21.7145, 0.3115,
0.4005

■ 21.7145, 0.3115,
0.4005

261.0517, 0.3130,
0.3588

■ 13.6473, 0.3106,
0.4136

■ 46.2737, 0.3123,
0.3836

■ 7.8757, 0.3090,
0.4324

■ 63.5344, 0.3125,
0.3778

■ 4.0155, 0.3058,
0.4617

■ 84.6284, 0.3127,
0.3731

■ 1.6823, 0.3025,
0.5213

■ 109.9401, 0.3128,
0.3692

■ 0.4121, 0.0000,
1.0000

139.8539, 0.3129,
0.3660

■ 0.0000, 0.0000,
0.0000

174.7542, 0.3129,

0.3632

215.0253, 0.3129,
0.3609

■ 21.7145, 0.3115,
0.4005

■ 21.7145, 0.3115,
0.4005

■ 20.7619, 0.3107,
0.4328

■ 22.8321, 0.3121,
0.3708

■ 19.9640, 0.3096,
0.4668

■ 24.1191, 0.3125,
0.3441

■ 19.3133, 0.3082,
0.5008

■ 25.5832, 0.3128,
0.3206

■ 18.8009, 0.3067,
0.5328

■ 27.2307, 0.3129,
0.3000

■ 18.4167, 0.3050,
0.5603

■ 29.0676, 0.3130,
0.2822

■ 18.1495, 0.3033,
0.5811

■ 31.0998, 0.3130,
0.2668

■ 17.9842, 0.3018,
0.5945

■ 33.3327, 0.3129,
0.2534

■ 17.9408, 0.3017,
0.5987

■ 35.7716, 0.3128,
0.2419

■ 38.4216, 0.3127,
0.2320

Harmonies

Analogous

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



21.7145, 0.3553, 0.4098



21.7145, 0.3115, 0.4005



21.7145, 0.2699, 0.3668

Triad

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



21.7145, 0.3115, 0.4005



21.7145, 0.2398, 0.2619



21.7145, 0.3896, 0.3281

Complementary

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



21.7145, 0.3115, 0.4005



16.2662, 0.3130, 0.2657

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.



21.7145, 0.3543, 0.2944



21.7145, 0.3115, 0.4005



21.7145, 0.2674, 0.2573

Square

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



21.7145, 0.3115, 0.4005



21.7145, 0.2305, 0.2843



21.7145, 0.3088, 0.2692



21.7145, 0.4024, 0.3640

Rectangle

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



21.7145, 0.3115, 0.4005



21.7145, 0.2487, 0.3373



21.7145, 0.3088, 0.2692



21.7145, 0.3799, 0.3163

Sweetspot

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



21.7154, 0.3115, 0.4005



42.7292, 0.3125, 0.3490



23.4752, 0.3518, 0.3882



9.5119, 0.3124, 0.3525



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.7154, 0.3115, 0.4005



37.7564, 0.3110, 0.4210



21.9339, 0.2944, 0.3689



5.6206, 0.3124, 0.3515



16.7133, 0.3018, 0.5986



0.1125, 0.3099, 0.5921

Inverse Universe

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



16.2662, 0.3130, 0.2657



26.1536, 0.3129, 0.2501



16.0179, 0.3366, 0.2923



5.1151, 0.3129, 0.3074



6.0600, 0.3074, 0.1467



0.0423, 0.3146, 0.1507

Previews

White Background



This preview shows how the Yxy color 21.7145, 0.3115, 0.4005 looks on a white 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

Black Background



This preview shows how the Yxy color 21.7145, 0.3115, 0.4005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

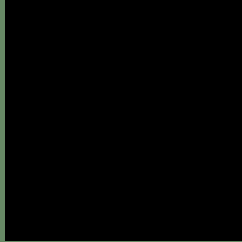
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7145, 0.3115, 0.4005

Background



This preview shows how black text looks on a background with the Yxy color 21.7145, 0.3115, 0.4005.



This preview shows how white text looks on a background with the Yxy color 21.7145, 0.3115, 0.4005.

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

21.7145, 0.3115, 0.4005

Protanopia

21.6198, 0.3591, 0.3845

Deuteranopia

21.5550, 0.3685, 0.3615



Tritanopia

21.7705, 0.2791, 0.3106

Trichromacy



Original Color

21.7145, 0.3115, 0.4005

Protanomaly

21.4744, 0.3417, 0.3907

Deuteranomaly

21.3231, 0.3458, 0.3746

Tritanomaly

21.7083, 0.2904, 0.3423

Monochromacy



Original Color

21.7145, 0.3115, 0.4005

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.3892, 0.3127, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7145, 0.3115, 0.4005 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(103, 137, 101)` looks like.

```
.text, #text, p{  
    color:rgb(103, 137, 101)  
}
```

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(103, 137, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 137, 101) }
```

Border

The CSS property to change the border of an element to Yxy 21.7145, 0.3115, 0.4005 is called "border". The border property can be set on classes, ids or directly on the HTML element.

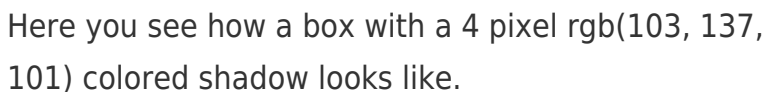
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 137, 101) }
```

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

```
.border{ border-color:rgb(103, 137, 101) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 137, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 137, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 137, 101);  
box-shadow:4px 4px 4px 4px rgb(103, 137,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7145, 0.3115, 0.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 137, 101) }
```

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

```
.background{ background-color: rgb(103,  
137, 101) }
```

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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