

Converting Colors

$Y_{xy}(21.7187, 0.3298, 0.4075)$

Have a look what the booklet for
Yxy(21.7187, 0.3298, 0.4075)
contains.

Yxy(21.6649, 0.3291, 0.4066)	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(21.6649, 0.3291, 0.4066)

Conversions

Conversions Part 1

Format	Color
Hex	71875F
RGB	113, 135, 95
RGB Percent	44%, 53%, 37%
CMY	0.5570, 0.4705, 0.6275
CMYK	0.16, 0.00, 0.30, 0.47
HSL	93°, 17%, 45%
HSV	93°, 30%, 53%
XYZ	17.5355, 21.6649, 14.0827
YIQ	123.8620, -0.2720, -17.1040

Conversions

Conversions Part 2

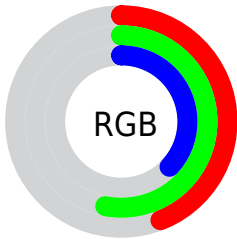
Format	Color
R_{YB}	95, 135, 117
Decimal	7440223
CIE _{Lab}	53.67, -15.66, 18.98
CIE _{LCh}	54, 24.604, 129.531
Yxy	21.6649, 0.3291, 0.4066
Android (android.graphics.Color)	4285630303 (0xFF71875F)
YUV	123.8620, -14.2290, -9.5260
Hunter-Lab	46.5456, -14.2071, 14.6433

Details

The Yxy color **21.6649, 0.3291, 0.4066** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.7187, 0.2913, 0.2528**, and the grayscale version is **20.1540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0411, 0.3257, 0.3876**, and **7.8004, 0.3334, 0.4410** is the 20% darker color. If you saturate the color by 10%, you get **20.9680, 0.3338, 0.4359**, and if you desaturate by 10%, it is **22.4467, 0.3238, 0.3786**.

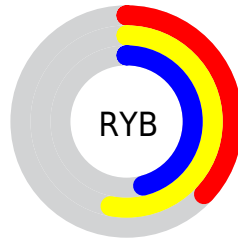
Distribution



Red (44%)

Green (53%)

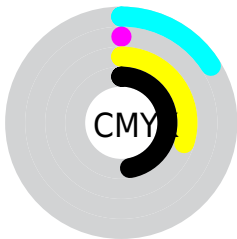
Blue (37%)



Red (37%)

Yellow (53%)

Blue (46%)

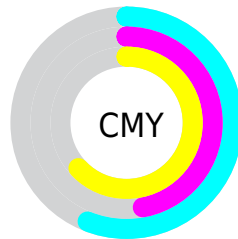


Cyan (16%)

Magenta (0%)

Yellow (30%)

Black (47%)



Cyan (56%)


Magenta (47%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6649, 0.3291, 0.4066 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 21.6649, 0.3291, 0.4066 by changing the saturation by 10% instead.


 21.6649, 0.3291,
0.4066


 21.6649, 0.3291,
0.4066


260.7913, 0.3207,
0.3615


 13.6109, 0.3311,
0.4206


 46.1915, 0.3261,
0.3884


 7.8505, 0.3333,
0.4405

 63.4329, 0.3249,
0.3822

 3.9995, 0.3356,
0.4710

 84.5056, 0.3240,
0.3771

 1.6733, 0.3502,
0.5452

 109.7938, 0.3231,
0.3729

 0.4063, 0.0094,
0.9906

139.6822, 0.3224,
0.3694

 0.0000, 0.0000,
0.0000

174.5549, 0.3218,

0.3664

214.7965, 0.3212,
0.3638

■ 21.6649, 0.3291,
0.4066

■ 21.6649, 0.3291,
0.4066

■ 20.9680, 0.3338,
0.4359

■ 22.4467, 0.3238,
0.3786

■ 20.3499, 0.3375,
0.4654

■ 23.3137, 0.3182,
0.3523

■ 19.8084, 0.3398,
0.4941

■ 24.2694, 0.3125,
0.3282

■ 19.3396, 0.3405,
0.5205

■ 25.3165, 0.3069,
0.3062

■ 18.9396, 0.3393,
0.5432

■ 26.4578, 0.3014,
0.2865

■ 18.6036, 0.3361,
0.5608

■ 27.6954, 0.2963,
0.2688

■ 18.3208, 0.3318,
0.5743

■ 29.0319, 0.2914,
0.2530

■ 18.3113, 0.3317,
0.5748

■ 30.4695, 0.2868,
0.2390

■ 32.0103, 0.2825,
0.2265

Harmonies

Analogous

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



21.6649, 0.3700, 0.4056



21.6649, 0.3291, 0.4066



21.6649, 0.2856, 0.3818

Triad

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



21.6649, 0.3291, 0.4066



21.6649, 0.2345, 0.2692



21.6649, 0.3771, 0.3143

Complementary

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



21.6649, 0.3291, 0.4066



13.7187, 0.2913, 0.2528

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.



21.6649, 0.3365, 0.2836



21.6649, 0.3291, 0.4066



21.6649, 0.2550, 0.2577

Square

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



21.6649, 0.3291, 0.4066



21.6649, 0.2330, 0.2981



21.6649, 0.2915, 0.2633



21.6649, 0.3996, 0.3499

Rectangle

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



21.6649, 0.3291, 0.4066



21.6649, 0.2609, 0.3548



21.6649, 0.2915, 0.2633



21.6649, 0.3650, 0.3032

Sweetspot

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



21.6658, 0.3291, 0.4066



41.8129, 0.3180, 0.3512



18.7020, 0.3641, 0.3697



9.6347, 0.3187, 0.3545



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.



21.6658, 0.3291, 0.4066



37.8808, 0.3325, 0.4275



20.6274, 0.3069, 0.4073



5.2995, 0.3179, 0.3510



16.8895, 0.3319, 0.5746



0.0627, 0.3664, 0.5473

Inverse Universe

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



13.7187, 0.2913, 0.2528



21.1065, 0.2847, 0.2327



15.0295, 0.3187, 0.2615



4.6616, 0.3071, 0.3071



2.9782, 0.2154, 0.0960



0.0147, 0.2617, 0.1215

Previews

White Background



This preview shows how the Yxy color 21.6649, 0.3291, 0.4066 looks on a white background.

Color Contrast Check

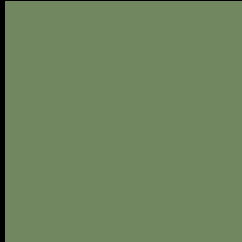
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6649, 0.3291, 0.4066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

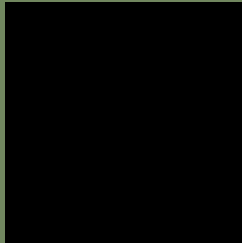
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6649, 0.3291, 0.4066

Background



This preview shows how black text looks on a background with the Yxy color 21.6649, 0.3291, 0.4066.



This preview shows how white text looks on a background with the Yxy color 21.6649, 0.3291, 0.4066.

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

21.6649, 0.3291, 0.4066

Protanopia

21.6143, 0.3662, 0.3931

Deuteranopia

21.5318, 0.3773, 0.3715



Tritanopia

21.5870, 0.2912, 0.3092

Trichromacy



Original Color

21.6649, 0.3291, 0.4066

Protanomaly

21.6900, 0.3521, 0.3989

Deuteranomaly

21.3602, 0.3596, 0.3828

Tritanomaly

21.4697, 0.3041, 0.3421

Monochromacy



Original Color

21.6649, 0.3291, 0.4066

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.6237, 0.3197, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6649, 0.3291, 0.4066 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(113, 135, 95)` looks like.

```
.text, #text, p{  
    color:rgb(113, 135, 95)  
}
```

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(113, 135, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 135, 95) }
```

Border

The CSS property to change the border of an element to Yxy 21.6649, 0.3291, 0.4066 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(113, 135, 95) }
```

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

```
.border{ border-color:rgb(113, 135, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 135, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 135, 95); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 135, 95); box-shadow:4px 4px 4px 4px rgb(113, 135, 95) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6649, 0.3291, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 135, 95) }
```

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

```
.background{ background-color: rgb(113,  
135, 95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor