

Converting Colors

$Y_{xy}(21.1421, 0.3677, 0.4380)$

Have a look what the booklet for
Yxy(21.1421, 0.3677, 0.4380)
contains.

Yxy(21.0736, 0.3682, 0.4365)	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(21.0736, 0.3682, 0.4365)

Conversions

Conversions Part 1

Format	Color
Hex	7D8349
RGB	125, 131, 73
RGB Percent	49%, 51%, 29%
CMY	0.5098, 0.4863, 0.7138
CMYK	0.05, 0.00, 0.44, 0.49
HSL	66°, 28%, 40%
HSV	66°, 44%, 51%
XYZ	17.7762, 21.0736, 9.4288
YIQ	122.5940, 15.0420, -19.3100

Conversions

Conversions Part 2

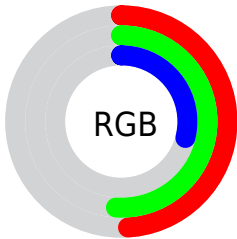
Format	Color
RYB	73, 131, 79
Decimal	8225609
CIELab	53.03, -11.61, 30.53
CIElCh	53, 32.665, 110.812
Yxy	21.0736, 0.3682, 0.4365
Android (android.graphics.Color)	4286415689 (0xFF7D8349)
YUV	122.5940, -24.4498, 2.1101
Hunter-Lab	45.9060, -11.2149, 19.9564

Details

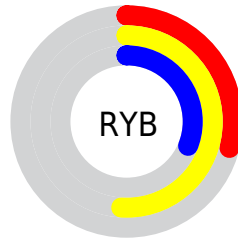
The Yxy color $21.0736, 0.3682, 0.4365$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $8.0611, 0.2408, 0.2001$, and the grayscale version is $19.7447, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.2947, 0.3573, 0.4117$, and $7.6096, 0.3845, 0.4783$ is the 20% darker color. If you saturate the color by 10%, you get $20.8176, 0.3788, 0.4588$, and if you desaturate by 10%, it is $21.3695, 0.3563, 0.4126$.

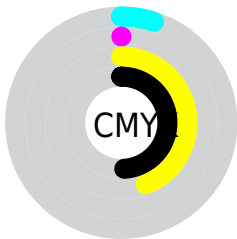
Distribution



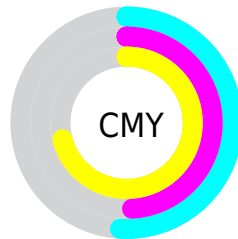
- Red (49%)
- Green (51%)
- Blue (29%)



- Red (29%)
- Yellow (51%)
- Blue (31%)



- Cyan (5%)
- Magenta (0%)
- Yellow (44%)
- Black (49%)




- Cyan (51%)
- Magenta (49%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0736, 0.3682, 0.4365 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 21.0736, 0.3682, 0.4365 by changing the saturation by 10% instead.


 21.0736, 0.3682,
0.4365


 21.0736, 0.3682,
0.4365


257.6694, 0.3386,
0.3749


 13.1778, 0.3756,
0.4546


 45.2100, 0.3572,
0.4121

 7.5511, 0.3846,
0.4794


 62.2194, 0.3531,
0.4036


 3.8091, 0.3963,
0.5167

 83.0354, 0.3497,
0.3966

 1.5673, 0.4151,
0.5849

 108.0425, 0.3468,
0.3908

 0.3354, 0.0957,
0.9043

 137.6251, 0.3443,
0.3859

 0.0000, 0.0000,
0.0000

172.1675, 0.3421,

0.3817

212.0541, 0.3402,
0.3781

■ 21.0736, 0.3682,
0.4365

■ 21.0736, 0.3682,
0.4365

■ 20.8176, 0.3788,
0.4588

■ 21.3695, 0.3563,
0.4126

■ 20.5962, 0.3878,
0.4784

■ 21.7046, 0.3437,
0.3878

■ 20.4080, 0.3946,
0.4947

■ 22.0818, 0.3309,
0.3631

■ 20.2499, 0.3990,
0.5070

■ 22.5029, 0.3181,
0.3390

■ 20.1180, 0.4010,
0.5152

■ 22.9696, 0.3057,
0.3161

■ 20.0476, 0.4018,
0.5192

■ 23.4836, 0.2940,
0.2945

■ 24.0464, 0.2829,
0.2745

■ 24.6594, 0.2727,
0.2561

■ 25.3241, 0.2632,
0.2393

Harmonies

Analogous

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



21.0736, 0.4132, 0.4127



21.0736, 0.3682, 0.4365



21.0736, 0.3107, 0.4268

Triad

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



21.0736, 0.3682, 0.4365



21.0736, 0.2066, 0.2697



21.0736, 0.3664, 0.2831

Complementary

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



21.0736, 0.3682, 0.4365



8.0611, 0.2408, 0.2001

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.



21.0736, 0.3056, 0.2517



21.0736, 0.3682, 0.4365



21.0736, 0.2179, 0.2417

Square

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



21.0736, 0.3682, 0.4365



21.0736, 0.2197, 0.3199



21.0736, 0.2523, 0.2366



21.0736, 0.4144, 0.3253

Rectangle

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



21.0736, 0.3682, 0.4365



21.0736, 0.2733, 0.3993



21.0736, 0.2523, 0.2366



21.0736, 0.3464, 0.2711

Sweetspot

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



21.0746, 0.3682, 0.4365



39.6134, 0.3296, 0.3607



10.8657, 0.4182, 0.3406



9.1905, 0.3321, 0.3654



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



21.0746, 0.3682, 0.4365



37.2811, 0.3788, 0.4586



19.2109, 0.3322, 0.4506



5.3993, 0.3242, 0.3506



19.7335, 0.4018, 0.5192



0.0701, 0.4110, 0.5119

Inverse Universe

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



8.0611, 0.2408, 0.2001



10.8724, 0.2214, 0.1671



9.5752, 0.2816, 0.2134



4.5659, 0.3006, 0.3067



1.7020, 0.1549, 0.0627



0.0073, 0.1757, 0.0742

Previews

White Background



This preview shows how the Yxy color 21.0736, 0.3682, 0.4365 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 21.0736, 0.3682, 0.4365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

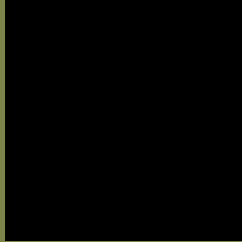
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0736, 0.3682, 0.4365

Background



This preview shows how black text looks on a background with the Yxy color 21.0736, 0.3682, 0.4365.



This preview shows how white text looks on a background with the Yxy color 21.0736, 0.3682, 0.4365.

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

21.0736, 0.3682, 0.4365

Protanopia

21.1226, 0.3913, 0.4266

Deuteranopia

21.0528, 0.4116, 0.4043



Tritanopia

21.0421, 0.3112, 0.3114

Trichromacy



Original Color

21.0736, 0.3682, 0.4365

Protanomaly

20.9746, 0.3829, 0.4290

Deuteranomaly

21.0013, 0.3949, 0.4168

Tritanomaly

21.0157, 0.3320, 0.3566

Monochromacy



Original Color

21.0736, 0.3682, 0.4365

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.2267, 0.3340, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0736, 0.3682, 0.4365 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(125, 131, 73)` looks like.

```
.text, #text, p{  
    color:rgb(125, 131, 73)  
}
```

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(125, 131, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 131, 73) }
```

Border

The CSS property to change the border of an element to Yxy 21.0736, 0.3682, 0.4365 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(125, 131, 73) }
```

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

```
.border{ border-color:rgb(125, 131, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 131, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 131, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 131, 73);  
box-shadow:4px 4px 4px 4px rgb(125, 131,  
73) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.0736, 0.3682, 0.4365$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 131, 73) }
```

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

```
.background{ background-color: rgb(125,  
131, 73) }
```

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