

Converting Colors

$Yxy(21.8070, 0.2629, 0.4082)$

Have a look what the booklet for
Yxy(21.8070, 0.2629, 0.4082)
contains.

Yxy(21.7073, 0.2624, 0.4069)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.7073, 0.2624, 0.4069)

Conversions

Conversions Part 1

Format	Color
Hex	32906C
RGB	50, 144, 108
RGB Percent	20%, 56%, 42%
CMY	0.8036, 0.4353, 0.5764
CMYK	0.65, 0.00, 0.25, 0.44
HSL	157°, 48%, 38%
HSV	157°, 65%, 56%
XYZ	13.9985, 21.7073, 17.6422
YIQ	111.7900, -44.4680, -31.1240

Conversions

Conversions Part 2

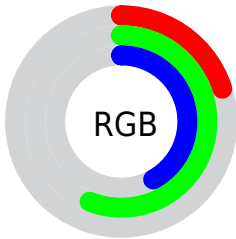
Format	Color
RYB	50, 108, 144
Decimal	3313772
CIELab	53.72, -36.45, 11.16
CIELCh	54, 38.119, 162.969
Yxy	21.7073, 0.2624, 0.4069
Android (android.graphics.Color)	4281503852 (0xFF32906C)
YUV	111.7900, -1.8685, -54.1898
Hunter-Lab	46.5911, -27.9032, 10.1630

Details

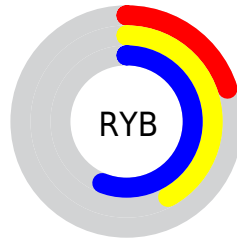
The Yxy color **21.7073, 0.2624, 0.4069** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.8895, 0.4342, 0.2694**, and the grayscale version is **16.1602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4759, 0.2746, 0.3897**, and **8.1549, 0.2559, 0.4412** is the 20% darker color. If you saturate the color by 10%, you get **21.2836, 0.2596, 0.4214**, and if you desaturate by 10%, it is **22.2554, 0.2670, 0.3928**.

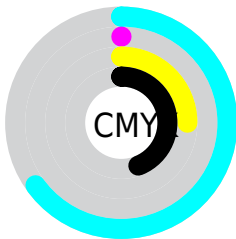
Distribution



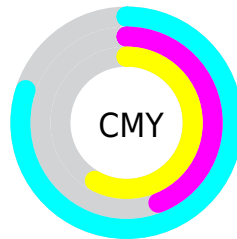
- Red (20%)
- Green (56%)
- Blue (42%)



- Red (20%)
- Yellow (42%)
- Blue (56%)



- Cyan (65%)
- Magenta (0%)
- Yellow (25%)
- Black (44%)




- Cyan (80%)
- Magenta (44%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7073, 0.2624, 0.4069 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 21.7073, 0.2624, 0.4069 by changing the saturation by 10% instead.


 21.7073, 0.2624,
0.4069


 21.7073, 0.2624,
0.4069


 261.0139, 0.2916,
0.3611


 13.6420, 0.2534,
0.4214


 46.2617, 0.2742,
0.3882


 7.8721, 0.2404,
0.4425


 63.5197, 0.2782,
0.3819


 4.0132, 0.2205,
0.4758

 84.6106, 0.2815,
0.3767

 1.6810, 0.1781,
0.5410

 109.9189, 0.2842,
0.3725

 0.4113, 0.0000,
1.0000

 139.8290, 0.2865,
0.3690

 0.0000, 0.0000,
0.0000

 174.7253, 0.2884,

0.3660

214.9921, 0.2901,
0.3634

■ 21.7073, 0.2624,
0.4069

■ 21.7073, 0.2624,
0.4069

■ 21.2836, 0.2596,
0.4214

■ 22.2554, 0.2670,
0.3928

■ 20.9703, 0.2587,
0.4359

■ 22.9351, 0.2731,
0.3792

■ 20.7528, 0.2596,
0.4502

■ 23.7562, 0.2806,
0.3665

■ 20.6635, 0.2603,
0.4570

■ 24.7268, 0.2890,
0.3546

■ 25.8543, 0.2981,
0.3437

■ 27.1456, 0.3076,
0.3338

■ 28.6074, 0.3174,
0.3249

■ 30.2456, 0.3272,
0.3169

■ 32.0663, 0.3369,
0.3099

Harmonies

Analogous

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



21.7073, 0.3267, 0.4509



21.7073, 0.2624, 0.4069



21.7073, 0.2148, 0.3358

Triad

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



21.7073, 0.2624, 0.4069



21.7073, 0.2310, 0.2234



21.7073, 0.4487, 0.3617

Complementary

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



21.7073, 0.2624, 0.4069



8.8895, 0.4342, 0.2694

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.



21.7073, 0.4186, 0.3105



21.7073, 0.2624, 0.4069



21.7073, 0.2865, 0.2350

Square

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



21.7073, 0.2624, 0.4069



21.7073, 0.1992, 0.2348



21.7073, 0.3563, 0.2659



21.7073, 0.4366, 0.4117

Rectangle

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



21.7073, 0.2624, 0.4069



21.7073, 0.1975, 0.2912



21.7073, 0.3563, 0.2659



21.7073, 0.4433, 0.3443

Sweetspot

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



21.7082, 0.2624, 0.4069



44.5372, 0.2933, 0.3492



22.1583, 0.3340, 0.5141



10.1009, 0.2910, 0.3520



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.7082, 0.2624, 0.4069



37.2772, 0.2589, 0.4277



19.4791, 0.2319, 0.3063



6.0818, 0.3038, 0.3376



18.0001, 0.2601, 0.4562



0.1764, 0.2424, 0.3928

Inverse Universe

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



8.8895, 0.4342, 0.2694



12.8959, 0.4778, 0.2654



9.5009, 0.5021, 0.3469



5.4561, 0.3225, 0.3206



5.4093, 0.5383, 0.2739



0.0558, 0.4357, 0.2174

Previews

White Background



This preview shows how the Yxy color 21.7073, 0.2624, 0.4069 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 21.7073, 0.2624, 0.4069 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 21.7073, 0.2624, 0.4069

Background



This preview shows how black text looks on a background with the Yxy color 21.7073, 0.2624, 0.4069.



This preview shows how white text looks on a background with the Yxy color 21.7073, 0.2624, 0.4069.

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

21.7073, 0.2624, 0.4069

Protanopia

21.3331, 0.3548, 0.3776

Deuteranopia

21.3779, 0.3522, 0.3464



Tritanopia

21.5372, 0.2389, 0.3055

Trichromacy



Original Color

21.7073, 0.2624, 0.4069

Protanomaly

20.7576, 0.3121, 0.3889

Deuteranomaly

20.6953, 0.3097, 0.3681

Tritanomaly

21.4661, 0.2466, 0.3390

Monochromacy



Original Color

21.7073, 0.2624, 0.4069

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.6868, 0.2863, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7073, 0.2624, 0.4069 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(50, 144, 108)` looks like.

```
.text, #text, p{  
  color:rgb(50, 144, 108)  
}
```

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(50, 144, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 144, 108) }
```

Border

The CSS property to change the border of an element to Yxy 21.7073, 0.2624, 0.4069 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(50, 144, 108) }
```

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

```
.border{ border-color:rgb(50, 144, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 144, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 144, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 144, 108);  
box-shadow:4px 4px 4px 4px rgb(50, 144,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7073, 0.2624, 0.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 144, 108) }
```

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

```
.background{ background-color: rgb(50, 144,  
108) }
```

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