

Converting Colors

$Y_{xy}(21.3200, 0.2962, 0.3678)$

Have a look what the booklet for
Yxy(21.3200, 0.2962, 0.3678)
contains.

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Color

Yxy(21.3905, 0.2969, 0.3684)

Conversions

Conversions Part 1

Format	Color
Hex	668773
RGB	102, 135, 115
RGB Percent	40%, 53%, 45%
CMY	0.5999, 0.4706, 0.5491
CMYK	0.24, 0.00, 0.15, 0.47
HSL	144°, 14%, 46%
HSV	144°, 24%, 53%
XYZ	17.2390, 21.3905, 19.4338
YIQ	122.8530, -13.2480, -13.2160

Conversions

Conversions Part 2

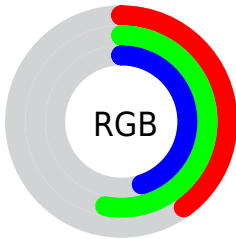
Format	Color
RYB	102, 126, 135
Decimal	6719347
CIELab	53.37, -16.00, 7.00
CIELCh	53, 17.466, 156.357
Yxy	21.3905, 0.2969, 0.3684
Android (android.graphics.Color)	4284909427 (0xFF668773)
YUV	122.8530, -3.8715, -18.2881
Hunter-Lab	46.2499, -14.4039, 7.4618

Details

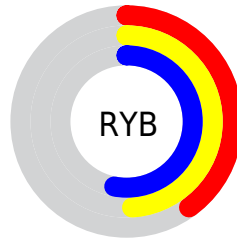
The Yxy color $21.3905, 0.2969, 0.3684$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $16.0646, 0.3327, 0.2927$, and the grayscale version is $19.7740, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.6265, 0.3008, 0.3585$, and $7.6865, 0.2897, 0.3851$ is the 20% darker color. If you saturate the color by 10%, you get $20.4852, 0.2910, 0.3875$, and if you desaturate by 10%, it is $22.4428, 0.3032, 0.3510$.

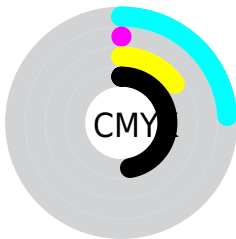
Distribution



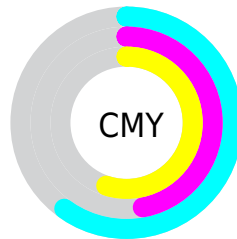
- Red (40%)
- Green (53%)
- Blue (45%)



- Red (40%)
- Yellow (49%)
- Blue (53%)



- Cyan (24%)
- Magenta (0%)
- Yellow (15%)
- Black (47%)



- Cyan (60%)
- Magenta (47%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3905, 0.2969, 0.3684 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 21.3905, 0.2969, 0.3684 by changing the saturation by 10% instead.

■ 21.3905, 0.2969,
0.3684

■ 21.3905, 0.2969,
0.3684

■ 259.3466, 0.3061,
0.3456

■ 13.4097, 0.2940,
0.3755

■ 45.7365, 0.3006,
0.3592

■ 7.7113, 0.2899,
0.3856

■ 62.8706, 0.3019,
0.3561

■ 3.9108, 0.2834,
0.4014

■ 83.8246, 0.3029,
0.3535

■ 1.6238, 0.2720,
0.4291

■ 108.9828, 0.3038,
0.3514

■ 0.3736, 0.0000,
1.0000

■ 138.7297, 0.3045,
0.3496

■ 0.0000, 0.0000,
0.0000

173.4497, 0.3051,

0.3481

213.5272, 0.3056,
0.3468

■ 21.3905, 0.2969,
0.3684

■ 21.3905, 0.2969,
0.3684

■ 20.4852, 0.2910,
0.3875

■ 22.4428, 0.3032,
0.3510

■ 19.7177, 0.2857,
0.4082

■ 23.6456, 0.3098,
0.3354

■ 19.0816, 0.2815,
0.4302

■ 25.0058, 0.3164,
0.3215

■ 18.5690, 0.2785,
0.4530

■ 26.5288, 0.3229,
0.3091

■ 18.1714, 0.2771,
0.4760

■ 28.2198, 0.3291,
0.2983

■ 17.8786, 0.2773,
0.4983

■ 30.0840, 0.3352,
0.2888

■ 17.6779, 0.2793,
0.5191

■ 32.1260, 0.3409,
0.2805

■ 17.5853, 0.2806,
0.5302

■ 34.3505, 0.3464,
0.2733

■ 36.7620, 0.3515,
0.2669

Harmonies

Analogous

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



21.3905, 0.3285, 0.3841



21.3905, 0.2969, 0.3684



21.3905, 0.2705, 0.3405

Triad

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



21.3905, 0.2969, 0.3684



21.3905, 0.2689, 0.2775



21.3905, 0.3735, 0.3424

Complementary

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



21.3905, 0.2969, 0.3684



16.0646, 0.3327, 0.2927

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.



21.3905, 0.3560, 0.3162



21.3905, 0.2969, 0.3684



21.3905, 0.2947, 0.2799

Square

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



21.3905, 0.2969, 0.3684



21.3905, 0.2550, 0.2880



21.3905, 0.3266, 0.2939



21.3905, 0.3737, 0.3668

Rectangle

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



21.3905, 0.2969, 0.3684



21.3905, 0.2590, 0.3202



21.3905, 0.3266, 0.2939



21.3905, 0.3694, 0.3335

Sweetspot

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



21.3914, 0.2969, 0.3684



41.7295, 0.3080, 0.3395



22.4515, 0.3329, 0.3905



9.6397, 0.3077, 0.3402



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.



21.3914, 0.2969, 0.3684



37.4289, 0.2937, 0.3782



21.7969, 0.2816, 0.3363



5.2328, 0.3067, 0.3425



16.2185, 0.2804, 0.5295



0.0576, 0.2574, 0.4467

Inverse Universe

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



16.0646, 0.3327, 0.2927



26.2693, 0.3381, 0.2846



15.6963, 0.3557, 0.3220



4.7326, 0.3192, 0.3159



5.3136, 0.4465, 0.2234



0.0198, 0.3797, 0.1865

Previews

White Background



This preview shows how the Yxy color 21.3905, 0.2969, 0.3684 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 21.3905, 0.2969, 0.3684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

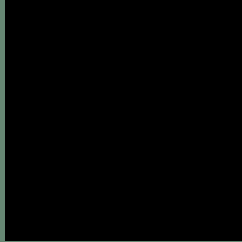
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3905, 0.2969, 0.3684

Background



This preview shows how black text looks on a background with the Yxy color 21.3905, 0.2969, 0.3684.



This preview shows how white text looks on a background with the Yxy color 21.3905, 0.2969, 0.3684.

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

21.3905, 0.2969, 0.3684

Protanopia

21.3130, 0.3381, 0.3580

Deuteranopia

21.3136, 0.3436, 0.3377



Tritanopia

21.3114, 0.2760, 0.3085

Trichromacy



Original Color

21.3905, 0.2969, 0.3684

Protanomaly

21.2727, 0.3229, 0.3627

Deuteranomaly

21.0523, 0.3251, 0.3473

Tritanomaly

21.1717, 0.2834, 0.3289

Monochromacy



Original Color

21.3905, 0.2969, 0.3684

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.1796, 0.3062, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3905, 0.2969, 0.3684 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(102, 135, 115)` looks like.

```
.text, #text, p{  
    color:rgb(102, 135, 115)  
}
```

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(102, 135, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 135, 115) }
```

Border

The CSS property to change the border of an element to Yxy 21.3905, 0.2969, 0.3684 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(102, 135, 115) }
```

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

```
.border{ border-color:rgb(102, 135, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 135, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 135, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 135, 115);  
box-shadow:4px 4px 4px 4px rgb(102, 135,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3905, 0.2969, 0.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 135, 115) }
```

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

```
.background{ background-color: rgb(102,  
135, 115) }
```

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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