

Converting Colors

$Y_{xy}(21.0973, 0.2751, 0.3240)$

Have a look what the booklet for
Yxy(21.0973, 0.2751, 0.3240)
contains.

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Color

$\text{Yxy}(21.1770, 0.2749, 0.3251)$

Conversions

Conversions Part 1

Format	Color
Hex	638587
RGB	99, 133, 135
RGB Percent	39%, 52%, 53%
CMY	0.6117, 0.4784, 0.4707
CMYK	0.27, 0.01, 0.00, 0.47
HSL	183°, 15%, 46%
HSV	183°, 27%, 53%
XYZ	17.9070, 21.1770, 26.0560
YIQ	123.0620, -20.9060, -6.5860

Conversions

Conversions Part 2

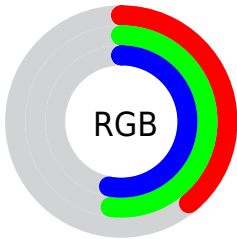
Format	Color
R _Y B	99, 116, 135
Decimal	6522247
CIE Lab	53.14, -11.39, -4.96
CIE LCh	53, 12.424, 203.516
Yxy	21.1770, 0.2749, 0.3251
Android (android.graphics.Color)	4284712327 (0xFF638587)
YUV	123.0620, 5.8854, -21.1024
Hunter-Lab	46.0185, -11.0734, -1.3575

Details

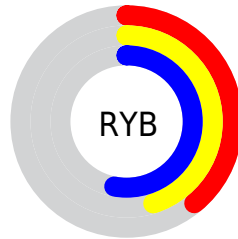
The Yxy color **21.1770, 0.2749, 0.3251** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.3582, 0.3662, 0.3329**, and the grayscale version is **19.8158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3280, 0.2835, 0.3262**, and **7.5462, 0.2609, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **20.2775, 0.2624, 0.3235**, and if you desaturate by 10%, it is **22.2068, 0.2885, 0.3267**.

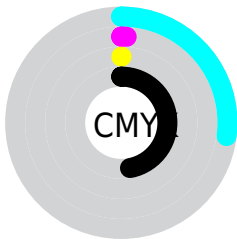
Distribution



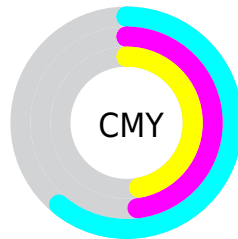
- Red (39%)
- Green (52%)
- Blue (53%)



- Red (39%)
- Yellow (45%)
- Blue (53%)



- Cyan (27%)
- Magenta (1%)
- Yellow (0%)
- Black (47%)



- Cyan (61%)
- Magenta (48%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1770, 0.2749, 0.3251 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 21.1770, 0.2749, 0.3251 by changing the saturation by 10% instead.

■ 21.1770, 0.2749,
0.3251

■ 21.1770, 0.2749,
0.3251

258.2177, 0.2961,
0.3276

■ 13.2534, 0.2687,
0.3242

■ 45.3819, 0.2832,
0.3262

■ 7.6033, 0.2600,
0.3229

■ 62.4321, 0.2862,
0.3265

■ 3.8422, 0.2472,
0.3208

■ 83.2932, 0.2886,
0.3268

■ 1.5857, 0.2262,
0.3166

■ 108.3498, 0.2906,
0.3270

■ 0.3479, 0.0467,
0.3090

137.9861, 0.2923,
0.3272

■ 0.0000, 0.0000,
0.0000

172.5866, 0.2937,

0.3273

212.5356, 0.2950,
0.3275

■ 21.1770, 0.2749,
0.3251

■ 21.1770, 0.2749,
0.3251

■ 20.2775, 0.2624,
0.3235

■ 22.2068, 0.2885,
0.3267

■ 19.4993, 0.2513,
0.3217

■ 23.3701, 0.3028,
0.3281

■ 18.8365, 0.2418,
0.3200

■ 24.6733, 0.3178,
0.3294

■ 18.2814, 0.2340,
0.3182

■ 26.1216, 0.3331,
0.3307

■ 17.8258, 0.2279,
0.3164

■ 27.7199, 0.3484,
0.3317

■ 17.4598, 0.2236,
0.3146

■ 29.4730, 0.3636,
0.3327

■ 17.1663, 0.2209,
0.3128

■ 31.3853, 0.3785,
0.3336

■ 17.0720, 0.2201,
0.3122

■ 33.4611, 0.3929,
0.3343

■ 35.7046, 0.4069,
0.3350

Harmonies

Analogous

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



21.1770, 0.2899, 0.3463



21.1770, 0.2749, 0.3251



21.1770, 0.2698, 0.3060

Triad

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



21.1770, 0.2749, 0.3251



21.1770, 0.3129, 0.2982



21.1770, 0.3507, 0.3639

Complementary

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



21.1770, 0.2749, 0.3251



15.3582, 0.3662, 0.3329

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.



21.1770, 0.3576, 0.3496



21.1770, 0.2749, 0.3251



21.1770, 0.3353, 0.3124

Square

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



21.1770, 0.2749, 0.3251



21.1770, 0.2911, 0.2915



21.1770, 0.3520, 0.3309



21.1770, 0.3336, 0.3691

Rectangle

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



21.1770, 0.2749, 0.3251



21.1770, 0.2725, 0.2971



21.1770, 0.3520, 0.3309



21.1770, 0.3544, 0.3599

Sweetspot

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



21.1779, 0.2749, 0.3251



41.5295, 0.3006, 0.3279



20.9114, 0.3075, 0.3982



9.5499, 0.2986, 0.3277



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.



21.1779, 0.2749, 0.3251



36.9324, 0.2672, 0.3241



16.7109, 0.2717, 0.2896



5.2362, 0.2992, 0.3278



15.7551, 0.2201, 0.3123



0.0579, 0.2225, 0.3211

Inverse Universe

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



15.7713, 0.3183, 0.2686



25.5838, 0.3197, 0.2548



19.1961, 0.3581, 0.3654



4.7585, 0.3145, 0.3087



6.1774, 0.3347, 0.1618



0.0217, 0.3273, 0.1576

Previews

White Background



This preview shows how the Yxy color 21.1770, 0.2749, 0.3251 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 21.1770, 0.2749, 0.3251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

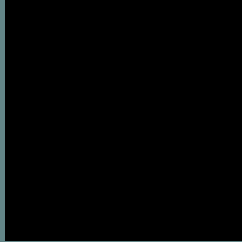
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1770, 0.2749, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 21.1770, 0.2749, 0.3251.



This preview shows how white text looks on a background with the Yxy color 21.1770, 0.2749, 0.3251.

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

21.1770, 0.2749, 0.3251

Protanopia

21.1496, 0.3096, 0.3200

Deuteranopia

21.0404, 0.3103, 0.3046



Tritanopia

21.2222, 0.2703, 0.3101

Trichromacy



Original Color

21.1770, 0.2749, 0.3251

Protanomaly

21.1484, 0.2959, 0.3234

Deuteranomaly

21.0213, 0.2962, 0.3126

Tritanomaly

21.0759, 0.2720, 0.3156

Monochromacy



Original Color

21.1770, 0.2749, 0.3251

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.2885, 0.2977, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1770, 0.2749, 0.3251 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(99, 133, 135)` looks like.

```
.text, #text, p{  
    color:rgb(99, 133, 135)  
}
```

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(99, 133, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 133, 135) }
```

Border

The CSS property to change the border of an element to Yxy 21.1770, 0.2749, 0.3251 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(99, 133, 135) }
```

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

```
.border{ border-color:rgb(99, 133, 135) }
```

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

Here you see how a box with a 4 pixel rgb(99, 133, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 133, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 133, 135);  
box-shadow:4px 4px 4px 4px rgb(99, 133,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1770, 0.2749, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 133, 135) }
```

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

```
.background{ background-color: rgb(99, 133,  
135) }
```

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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