

Converting Colors

$Y_{xy}(33.7021, 0.2716, 0.3179)$

Have a look what the booklet for
Yxy(33.7021, 0.2716, 0.3179)
contains.

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Color

Yxy(33.7021, 0.2716, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	7BA4AB
RGB	123, 164, 171
RGB Percent	48%, 64%, 67%
CMY	0.5177, 0.3568, 0.3294
CMYK	0.28, 0.04, 0.00, 0.33
HSL	189°, 22%, 58%
HSV	189°, 28%, 67%
XYZ	28.7936, 33.7021, 43.5191
YIQ	152.5390, -26.6830, -6.5150

Conversions

Conversions Part 2

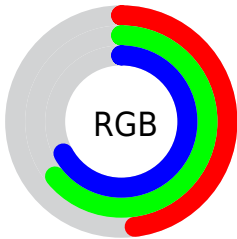
Format	Color
RYB	123, 145, 171
Decimal	8103083
CIELab	64.73, -12.15, -8.14
CIElCh	65, 14.623, 213.829
Yxy	33.7021, 0.2716, 0.3179
Android (android.graphics.Color)	4286293163 (0xFF7BA4AB)
YUV	152.5390, 9.1013, -25.9057
Hunter-Lab	58.0535, -13.0605, -3.8085

Details

The Yxy color **33.7021, 0.2716, 0.3179** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.0517, 0.3698, 0.3398**, and the grayscale version is **31.6129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5011, 0.2800, 0.3207**, and **14.2980, 0.2582, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **31.6667, 0.2584, 0.3134**, and if you desaturate by 10%, it is **35.9780, 0.2857, 0.3221**.

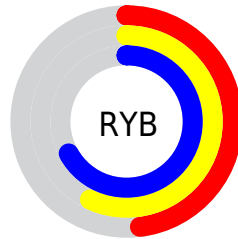
Distribution



Red (48%)

Green (64%)

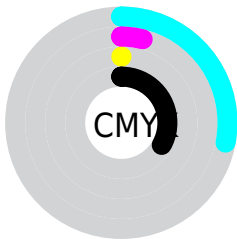
Blue (67%)



Red (48%)

Yellow (57%)

Blue (67%)

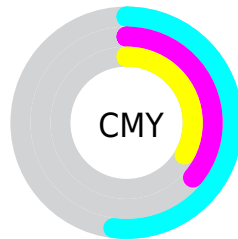


Cyan (28%)

Magenta (4%)

Yellow (0%)

Black (33%)



Cyan (52%)


Magenta (36%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7021, 0.2716, 0.3179 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 33.7021, 0.2716, 0.3179 by changing the saturation by 10% instead.


 33.7021, 0.2716,
0.3179


 33.7021, 0.2716,
0.3179


318.8017, 0.2930,
0.3241

 22.6648, 0.2660,
0.3161


 65.4701, 0.2796,
0.3203

 14.3462, 0.2586,
0.3137


 86.9697, 0.2825,
0.3211

 8.3619, 0.2484,
0.3103


 112.7255, 0.2850,
0.3218

 4.3274, 0.2337,
0.3049

143.1219, 0.2871,
0.3224

 1.8583, 0.2105,
0.2955

178.5434, 0.2889,
0.3229

 0.5231, 0.1071,
0.2793

219.3742, 0.2904,

 0.0000, 0.0000,

0.3234

0.0000

265.9988, 0.2918,
0.3237

■ 33.7021, 0.2716,
0.3179

■ 33.7021, 0.2716,
0.3179

■ 31.6667, 0.2584,
0.3134

■ 35.9780, 0.2857,
0.3221

■ 29.8561, 0.2465,
0.3086

■ 38.5012, 0.3005,
0.3261

■ 28.2592, 0.2361,
0.3037

■ 41.2828, 0.3156,
0.3297

■ 26.8621, 0.2275,
0.2986

■ 44.3325, 0.3309,
0.3329

■ 25.6489, 0.2207,
0.2935

■ 47.6592, 0.3461,
0.3358

■ 24.6014, 0.2157,
0.2884

■ 51.2713, 0.3610,
0.3384

■ 23.6888, 0.2124,
0.2833

■ 55.1771, 0.3755,
0.3406

■ 23.5196, 0.2118,
0.2823

■ 58.4634, 0.3854,
0.3428

■ 59.5084, 0.3845,
0.3454

Harmonies

Analogous

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



33.7021, 0.2836, 0.3392



33.7021, 0.2716, 0.3179



33.7021, 0.2702, 0.3007

Triad

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



33.7021, 0.2716, 0.3179



33.7021, 0.3209, 0.3022



33.7021, 0.3461, 0.3672

Complementary

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



33.7021, 0.2716, 0.3179



26.0517, 0.3698, 0.3398

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.



33.7021, 0.3570, 0.3555



33.7021, 0.2716, 0.3179



33.7021, 0.3423, 0.3184

Square

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



33.7021, 0.2716, 0.3179



33.7021, 0.2980, 0.2925



33.7021, 0.3557, 0.3376



33.7021, 0.3263, 0.3686

Rectangle

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



33.7021, 0.2716, 0.3179



33.7021, 0.2754, 0.2937



33.7021, 0.3557, 0.3376



33.7021, 0.3509, 0.3642

Sweetspot

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



33.7035, 0.2716, 0.3179



68.9174, 0.3004, 0.3261



34.9344, 0.3040, 0.3975



15.2138, 0.2982, 0.3255



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.7035, 0.2716, 0.3179



57.9294, 0.2629, 0.3150



26.0815, 0.2677, 0.2795



8.8700, 0.2986, 0.3256



17.7880, 0.2119, 0.2828



0.5481, 0.2162, 0.2981

Inverse Universe

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



25.5025, 0.3235, 0.2698



40.8893, 0.3266, 0.2560



33.0026, 0.3606, 0.3739



8.1277, 0.3159, 0.3098



8.0988, 0.3609, 0.1762



0.2307, 0.3471, 0.1686

Previews

White Background



This preview shows how the Yxy color 33.7021, 0.2716, 0.3179 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33.7021, 0.2716, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

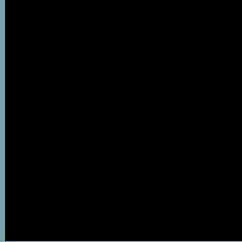
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

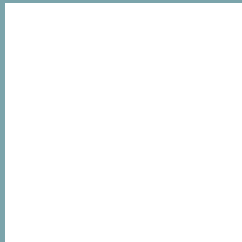
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7021, 0.2716, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 33.7021, 0.2716, 0.3179.



This preview shows how white text looks on a background with the Yxy color 33.7021, 0.2716, 0.3179.

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

33.7021, 0.2716, 0.3179

Protanopia

33.6982, 0.3047, 0.3143

Deuteranopia

33.3661, 0.3053, 0.2989



Tritanopia

33.6141, 0.2686, 0.3087

Trichromacy



Original Color

33.7021, 0.2716, 0.3179

Protanomaly

33.6432, 0.2919, 0.3154

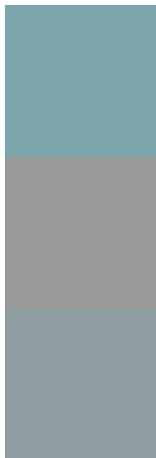
Deuteranomaly

33.1451, 0.2921, 0.3051

Tritanomaly

33.5355, 0.2700, 0.3118

Monochromacy



Original Color

33.7021, 0.2716, 0.3179

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.4028, 0.2958, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7021, 0.2716, 0.3179 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(123, 164, 171)` looks like.

```
.text, #text, p{  
    color:rgb(123, 164, 171)  
}
```

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(123, 164, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 164, 171) }
```

Border

The CSS property to change the border of an element to Yxy 33.7021, 0.2716, 0.3179 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(123, 164, 171) }
```

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

```
.border{ border-color:rgb(123, 164, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 164, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 164, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 164, 171);  
box-shadow:4px 4px 4px 4px rgb(123, 164,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7021, 0.2716, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 164, 171) }
```

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

```
.background{ background-color: rgb(123,  
164, 171) }
```

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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