

Converting Colors

$Y_{xy}(15.2023, 0.3280, 0.3195)$

Have a look what the booklet for
Yxy(15.2023, 0.3280, 0.3195)
contains.

Yxy(15.2220, 0.3273, 0.3191)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.2220, 0.3273, 0.3191)

Conversions

Conversions Part 1

Format	Color
Hex	78696E
RGB	120, 105, 110
RGB Percent	47%, 41%, 43%
CMY	0.5294, 0.5882, 0.5686
CMYK	0.00, 0.13, 0.08, 0.53
HSL	340°, 7%, 44%
HSV	340°, 13%, 47%
XYZ	15.6132, 15.2220, 16.8678
YIQ	110.0550, 7.3350, 4.7350

Conversions

Conversions Part 2

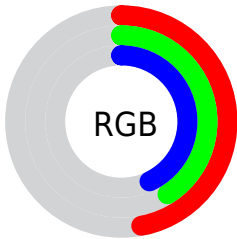
Format	Color
R_{YB}	120, 105, 110
Decimal	7891310
CIE Lab	45.94, 6.87, -0.63
CIE LCh	46, 6.894, 354.783
Yxy	15.2220, 0.3273, 0.3191
Android (android.graphics.Color)	4286081390 (0xFF78696E)
YUV	110.0550, -0.0271, 8.7218
Hunter-Lab	39.0154, 3.1552, 1.6776

Details

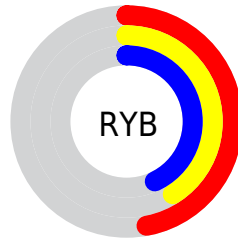
The Yxy color **15.2220, 0.3273, 0.3191** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.6773, 0.3000, 0.3391**, and the grayscale version is **15.6087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1562, 0.3230, 0.3205**, and **4.7246, 0.3321, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **12.7815, 0.3418, 0.3107**, and if you desaturate by 10%, it is **18.0246, 0.3154, 0.3271**.

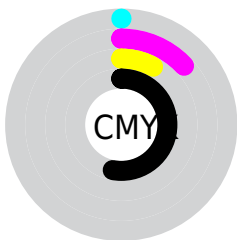
Distribution



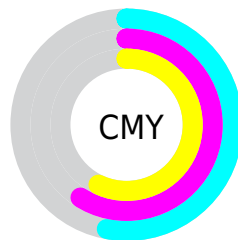
- Red (47%)
- Green (41%)
- Blue (43%)



- Red (47%)
- Yellow (41%)
- Blue (43%)



- Cyan (0%)
- Magenta (13%)
- Yellow (8%)
- Black (53%)





- Cyan (53%)
- Magenta (59%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2220, 0.3273, 0.3191 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 15.2220, 0.3273, 0.3191 by changing the saturation by 10% instead.


 15.2220, 0.3273,
0.3191


 15.2220, 0.3273,
0.3191


224.7060, 0.3187,
0.3250


 8.9753, 0.3301,
0.3172

 35.2422, 0.3237,
0.3215


 4.7251, 0.3342,
0.3144

 49.7845, 0.3226,
0.3223

 2.0869, 0.3409,
0.3100

 67.8607, 0.3216,
0.3230

 0.6572, 0.3587,
0.2975

 89.8554, 0.3208,
0.3235

 0.0000, 0.0000,
0.0000

116.1529, 0.3201,
0.3240

147.1376, 0.3196,

0.3243

183.1938, 0.3191,
0.3247

■ 15.2220, 0.3273,
0.3191

■ 15.2220, 0.3273,
0.3191

■ 12.7815, 0.3418,
0.3107

■ 18.0246, 0.3154,
0.3271

■ 10.6864, 0.3593,
0.3021

■ 21.2013, 0.3055,
0.3345

■ 8.9214, 0.3802,
0.2935

■ 24.7658, 0.2974,
0.3414

■ 7.4696, 0.4049,
0.2857

■ 28.7308, 0.2907,
0.3477

■ 6.3123, 0.4332,
0.2793

■ 33.1083, 0.2852,
0.3535

■ 5.4290, 0.4647,
0.2754

■ 37.9097, 0.2806,
0.3588

■ 4.7962, 0.4979,
0.2751

■ 43.1460, 0.2767,
0.3636

■ 4.3863, 0.5306,
0.2791

■ 48.8278, 0.2734,
0.3680

■ 4.1472, 0.5547,
0.2829

■ 54.9655, 0.2707,
0.3721

Harmonies

Analogous

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



15.2220, 0.3136, 0.3099



15.2220, 0.3273, 0.3191



15.2220, 0.3372, 0.3309

Triad

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



15.2220, 0.3273, 0.3191



15.2220, 0.3253, 0.3536



15.2220, 0.2858, 0.3146

Complementary

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



15.2220, 0.3273, 0.3191



17.6773, 0.3000, 0.3391

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.



15.2220, 0.2888, 0.3263



15.2220, 0.3273, 0.3191



15.2220, 0.3114, 0.3493

Square

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



15.2220, 0.3273, 0.3191



15.2220, 0.3359, 0.3510



15.2220, 0.2981, 0.3391



15.2220, 0.2898, 0.3071

Rectangle

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



15.2220, 0.3273, 0.3191



15.2220, 0.3402, 0.3389



15.2220, 0.2981, 0.3391



15.2220, 0.2860, 0.3181

Sweetspot

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



15.2227, 0.3273, 0.3191



30.8694, 0.3171, 0.3258



15.1046, 0.3073, 0.2992



7.2374, 0.3178, 0.3253



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.2227, 0.3273, 0.3191



25.4780, 0.3312, 0.3167



15.6340, 0.3335, 0.3341



4.0350, 0.3229, 0.3219



4.5209, 0.5557, 0.2835



21.4220, 0.5689, 0.2907

Inverse Universe

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



15.2227, 0.3273, 0.3191



25.4780, 0.3312, 0.3167



17.2015, 0.2944, 0.3239



4.0350, 0.3229, 0.3219



4.5209, 0.5557, 0.2835



21.4220, 0.5689, 0.2907

Previews

White Background



This preview shows how the Yxy color 15.2220, 0.3273, 0.3191 looks on a white 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

Black Background



This preview shows how the Yxy color 15.2220, 0.3273, 0.3191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

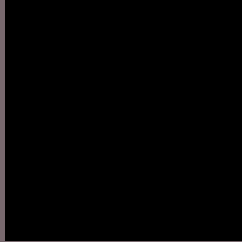
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2220, 0.3273, 0.3191

Background



This preview shows how black text looks on a background with the Yxy color 15.2220, 0.3273, 0.3191.



This preview shows how white text looks on a background with the Yxy color 15.2220, 0.3273, 0.3191.

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

15.2220, 0.3273, 0.3191

Protanopia

15.2100, 0.3104, 0.3208

Deuteranopia

15.1509, 0.3259, 0.3191



Tritanopia

15.2885, 0.3233, 0.3132

Trichromacy



Original Color

15.2220, 0.3273, 0.3191

Protanomaly

15.2405, 0.3172, 0.3209

Deuteranomaly

15.1509, 0.3259, 0.3191

Tritanomaly

15.2661, 0.3246, 0.3152

Monochromacy



Original Color

15.2220, 0.3273, 0.3191

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.4283, 0.3184, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2220, 0.3273, 0.3191 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(120, 105, 110)` looks like.

```
.text, #text, p{  
    color:rgb(120, 105, 110)  
}
```

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(120, 105, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 105, 110) }
```

Border

The CSS property to change the border of an element to Yxy 15.2220, 0.3273, 0.3191 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(120, 105, 110) }
```

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

```
.border{ border-color:rgb(120, 105, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 105, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 105, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 105, 110);  
box-shadow:4px 4px 4px 4px rgb(120, 105,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2220, 0.3273, 0.3191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 105, 110) }
```

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

```
.background{ background-color: rgb(120,  
105, 110) }
```

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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