

Converting Colors

$Y_{xy}(30.2818, 0.3281, 0.3242)$

Have a look what the booklet for
Yxy(30.2818, 0.3281, 0.3242)
contains.

Yxy(30.2073, 0.3278, 0.3230)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.2073, 0.3278, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	A39195
RGB	163, 145, 149
RGB Percent	64%, 57%, 58%
CMY	0.3608, 0.4314, 0.4156
CMYK	0.00, 0.11, 0.09, 0.36
HSL	347°, 9%, 60%
HSV	347°, 11%, 64%
XYZ	30.6562, 30.2073, 32.6576
YIQ	150.8380, 9.4440, 5.0600

Conversions

Conversions Part 2

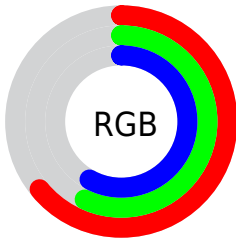
Format	Color
R _Y B	163, 145, 149
Decimal	10719637
CIE Lab	61.83, 7.41, 0.32
CIE LCh	62, 7.418, 2.455
Yxy	30.2073, 0.3278, 0.3230
Android (android.graphics.Color)	4288909717 (0xFFA39195)
YUV	150.8380, -0.9061, 10.6661
Hunter-Lab	54.9612, 3.3816, 3.2431

Details

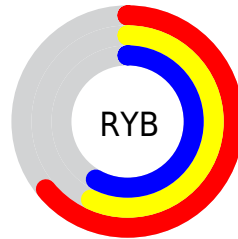
The Yxy color **30.2073, 0.3278, 0.3230** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.7179, 0.2995, 0.3351**, and the grayscale version is **30.8767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0641, 0.3248, 0.3245**, and **12.4458, 0.3332, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **25.1966, 0.3448, 0.3172**, and if you desaturate by 10%, it is **35.9794, 0.3140, 0.3285**.

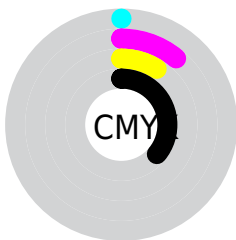
Distribution



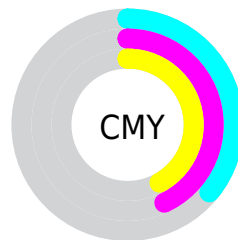
- Red (64%)
- Green (57%)
- Blue (58%)



- Red (64%)
- Yellow (57%)
- Blue (58%)



- Cyan (0%)
- Magenta (11%)
- Yellow (9%)
- Black (36%)





- Cyan (36%)
- Magenta (43%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2073, 0.3278, 0.3230 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 30.2073, 0.3278, 0.3230 by changing the saturation by 10% instead.


 30.2073, 0.3278,
0.3230


 30.2073, 0.3278,
0.3230


302.8695, 0.3197,
0.3262

 19.9960, 0.3300,
0.3221


 59.9899, 0.3247,
0.3242

 12.3921, 0.3330,
0.3209


 80.3299, 0.3236,
0.3247

 7.0113, 0.3373,
0.3192


104.8150, 0.3227,
0.3251

 3.4692, 0.3438,
0.3166

133.8294, 0.3219,
0.3254

 1.3813, 0.3550,
0.3120

167.7577, 0.3212,
0.3256

 0.2029, 0.4821,
0.2617

206.9843, 0.3207,

 0.0000, 0.0000,

0.3259

0.0000

251.8934, 0.3202,
0.3261

■ 30.2073, 0.3278,
0.3230

■ 30.2073, 0.3278,
0.3230

■ 25.1966, 0.3448,
0.3172

■ 35.9794, 0.3140,
0.3285

■ 20.9115, 0.3656,
0.3112

■ 42.5387, 0.3028,
0.3335

■ 17.3196, 0.3909,
0.3054

■ 49.9147, 0.2936,
0.3381

■ 14.3841, 0.4211,
0.3001

■ 58.1342, 0.2861,
0.3423

■ 12.0649, 0.4560,
0.2961

■ 67.2229, 0.2799,
0.3462

■ 10.3178, 0.4946,
0.2944

■ 77.2051, 0.2748,
0.3496

■ 9.0921, 0.5342,
0.2959

■ 85.4585, 0.2700,
0.3484

■ 8.3286, 0.5709,
0.3010

■ 86.2275, 0.2641,
0.3340

■ 7.9168, 0.5989,
0.3073

■ 86.5269, 0.2619,
0.3289

Harmonies

Analogous

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



30.2073, 0.3166, 0.3143



30.2073, 0.3278, 0.3230



30.2073, 0.3350, 0.3334

Triad

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



30.2073, 0.3278, 0.3230



30.2073, 0.3206, 0.3496



30.2073, 0.2900, 0.3146

Complementary

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



30.2073, 0.3278, 0.3230



34.7179, 0.2995, 0.3351

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.



30.2073, 0.2910, 0.3240



30.2073, 0.3278, 0.3230



30.2073, 0.3085, 0.3445

Square

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



30.2073, 0.3278, 0.3230



30.2073, 0.3307, 0.3489



30.2073, 0.2977, 0.3350



30.2073, 0.2949, 0.3094

Rectangle

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



30.2073, 0.3278, 0.3230



30.2073, 0.3364, 0.3400



30.2073, 0.2977, 0.3350



30.2073, 0.2896, 0.3174

Sweetspot

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



30.2086, 0.3278, 0.3230



62.2429, 0.3165, 0.3274



30.2464, 0.3097, 0.3022



13.7908, 0.3176, 0.3270



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.2086, 0.3278, 0.3230



52.0124, 0.3312, 0.3218



31.5807, 0.3310, 0.3363



7.1107, 0.3251, 0.3240



6.1584, 0.5967, 0.3061



0.1359, 0.5057, 0.2559

Inverse Universe

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



30.2086, 0.3278, 0.3230



52.0124, 0.3312, 0.3218



33.1872, 0.2961, 0.3216



7.1107, 0.3251, 0.3240



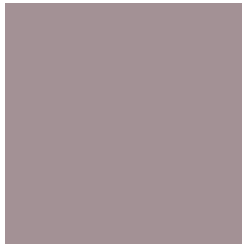
6.1584, 0.5967, 0.3061



0.1359, 0.5057, 0.2559

Previews

White Background



This preview shows how the Yxy color 30.2073, 0.3278, 0.3230 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 30.2073, 0.3278, 0.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

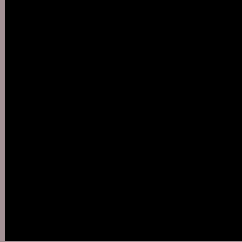
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2073, 0.3278, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 30.2073, 0.3278, 0.3230.



This preview shows how white text looks on a background with the Yxy color 30.2073, 0.3278, 0.3230.

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

30.2073, 0.3278, 0.3230

Protanopia

30.4047, 0.3139, 0.3259

Deuteranopia

30.3132, 0.3289, 0.3231



Tritanopia

30.2056, 0.3230, 0.3127

Trichromacy



Original Color

30.2073, 0.3278, 0.3230

Protanomaly

30.4497, 0.3191, 0.3260

Deuteranomaly

30.3132, 0.3289, 0.3231

Tritanomaly

30.1389, 0.3250, 0.3156

Monochromacy



Original Color

30.2073, 0.3278, 0.3230

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.6655, 0.3179, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2073, 0.3278, 0.3230 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(163, 145, 149)` looks like.

```
.text, #text, p{  
    color:rgb(163, 145, 149)  
}
```

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(163, 145, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 145, 149) }
```

Border

The CSS property to change the border of an element to Yxy 30.2073, 0.3278, 0.3230 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(163, 145, 149) }
```

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

```
.border{ border-color:rgb(163, 145, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 145, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 145, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 145, 149);  
box-shadow:4px 4px 4px 4px rgb(163, 145,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2073, 0.3278, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 145, 149) }
```

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

```
.background{ background-color: rgb(163,  
145, 149) }
```

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