

Converting Colors

$Y_{xy}(32.8158, 0.2967, 0.3061)$

Have a look what the booklet for
Yxy(32.8158, 0.2967, 0.3061)
contains.

Yxy(32.6889, 0.2965, 0.3052)	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(32.6889, 0.2965, 0.3052)

Conversions

Conversions Part 1

Format	Color
Hex	989AAA
RGB	152, 154, 170
RGB Percent	60%, 60%, 67%
CMY	0.4040, 0.3960, 0.3334
CMYK	0.11, 0.09, 0.00, 0.33
HSL	233°, 10%, 63%
HSV	233°, 11%, 67%
XYZ	31.7571, 32.6889, 42.6605
YIQ	155.2260, -6.3280, 4.5520

Conversions

Conversions Part 2

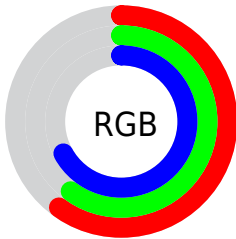
Format	Color
R_{YB}	152, 154, 170
Decimal	10001066
CIE _{Lab}	63.91, 2.52, -8.57
CIE _{LCh}	64, 8.938, 286.384
Yxy	32.6889, 0.2965, 0.3052
Android (android.graphics.Color)	4288191146 (0xFF989AAA)
YUV	155.2260, 7.2836, -2.8292
Hunter-Lab	57.1742, -0.9081, -4.2173

Details

The Yxy color $32.6889, 0.2965, 0.3052$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $38.8038, 0.3285, 0.3517$, and the grayscale version is $32.8524, 0.3127, 0.3290$.

A 20% lighter version of the original color is $63.6698, 0.2997, 0.3098$, and $13.7752, 0.2910, 0.2972$ is the 20% darker color. If you saturate the color by 10%, you get $26.4944, 0.2795, 0.2798$, and if you desaturate by 10%, it is $39.7472, 0.3119, 0.3278$.

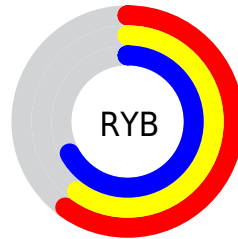
Distribution



Red (60%)

Green (60%)

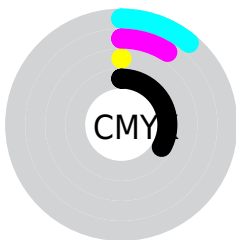
Blue (67%)



Red (60%)

Yellow (60%)

Blue (67%)

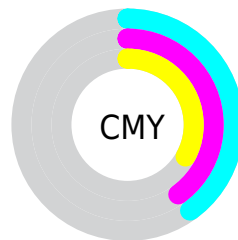


Cyan (11%)

Magenta (9%)

Yellow (0%)

Black (33%)



Cyan (40%)

Magenta (40%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.6889, 0.2965, 0.3052 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 32.6889, 0.2965, 0.3052 by changing the saturation by 10% instead.

■ 32.6889, 0.2965,
0.3052

■ 32.6889, 0.2965,
0.3052

■ 314.2456, 0.3051,
0.3177

■ 21.8882, 0.2942,
0.3019

■ 63.8895, 0.2997,
0.3099

■ 13.7748, 0.2911,
0.2975

■ 85.0583, 0.3009,
0.3116

■ 7.9642, 0.2868,
0.2914

■ 110.4518, 0.3019,
0.3130

■ 4.0720, 0.2803,
0.2824

■ 140.4546, 0.3027,
0.3143

■ 1.7139, 0.2697,
0.2678

■ 175.4509, 0.3035,
0.3153

■ 0.4327, 0.2388,
0.2185

■ 215.8253, 0.3041,

■ 0.0000, 0.0000,

0.3162

0.0000

261.9620, 0.3046,
0.3170

■ 32.6889, 0.2965,
0.3052

■ 32.6889, 0.2965,
0.3052

■ 26.4944, 0.2795,
0.2798

■ 39.7472, 0.3119,
0.3278

■ 21.1265, 0.2609,
0.2515

■ 47.6965, 0.3255,
0.3475

■ 16.5514, 0.2412,
0.2210

■ 56.5679, 0.3376,
0.3647

■ 12.7313, 0.2211,
0.1891

■ 66.3897, 0.3482,
0.3795

■ 9.6254, 0.2016,
0.1573

■ 77.1891, 0.3574,
0.3924

■ 7.1888, 0.1838,
0.1274

■ 88.9919, 0.3656,
0.4035

■ 5.3717, 0.1692,
0.1015

■ 95.6819, 0.3632,
0.4124

■ 4.1170, 0.1587,
0.0815

■ 3.3716, 0.1524,
0.0686

Harmonies

Analogous

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



32.6889, 0.2879, 0.3085



32.6889, 0.2965, 0.3052



32.6889, 0.3096, 0.3080

Triad

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



32.6889, 0.2965, 0.3052



32.6889, 0.3404, 0.3396



32.6889, 0.3015, 0.3425

Complementary

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



32.6889, 0.2965, 0.3052



38.8038, 0.3285, 0.3517

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.



32.6889, 0.3154, 0.3512



32.6889, 0.2965, 0.3052



32.6889, 0.3380, 0.3492

Square

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



32.6889, 0.2965, 0.3052



32.6889, 0.3351, 0.3275



32.6889, 0.3288, 0.3536



32.6889, 0.2907, 0.3299

Rectangle

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



32.6889, 0.2965, 0.3052



32.6889, 0.3191, 0.3129



32.6889, 0.3288, 0.3536



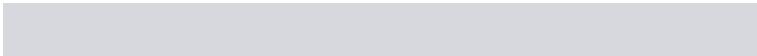
32.6889, 0.3059, 0.3460

Sweetspot

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



32.6903, 0.2965, 0.3052



68.8249, 0.3082, 0.3225



38.2427, 0.2985, 0.3320



15.1153, 0.3070, 0.3207



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.



32.6903, 0.2965, 0.3052



56.1986, 0.2922, 0.2988



32.7129, 0.3031, 0.3027



7.4314, 0.2986, 0.3083



2.5245, 0.1527, 0.0697



0.1017, 0.1631, 0.1073

Inverse Universe

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



33.3299, 0.3291, 0.3261



57.6471, 0.3338, 0.3254



38.8080, 0.3217, 0.3550



7.5555, 0.3269, 0.3265



6.3259, 0.6238, 0.3210



0.1580, 0.5651, 0.2886

Previews

White Background



This preview shows how the Yxy color 32.6889, 0.2965, 0.3052 looks on a white background.

Color Contrast Check

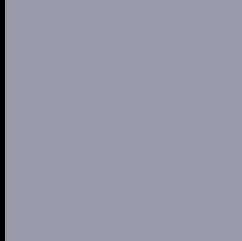
Large Text (above 18pt) WCAG AA × Fail

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 32.6889, 0.2965, 0.3052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

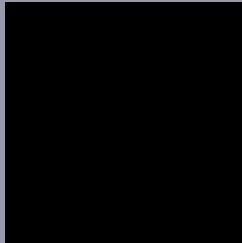
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

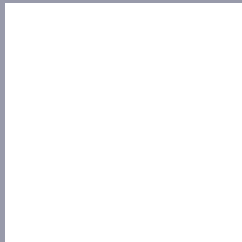
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.6889, 0.2965, 0.3052

Background



This preview shows how black text looks on a background with the Yxy color 32.6889, 0.2965, 0.3052.



This preview shows how white text looks on a background with the Yxy color 32.6889, 0.2965, 0.3052.

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

32.6889, 0.2965, 0.3052

Protanopia

32.7858, 0.2974, 0.3052

Deuteranopia

32.7549, 0.3052, 0.3000



Tritanopia

32.8120, 0.2982, 0.3110

Trichromacy



Original Color

32.6889, 0.2965, 0.3052

Protanomaly

32.7858, 0.2974, 0.3052

Deuteranomaly

32.6658, 0.3013, 0.3012

Tritanomaly

32.8492, 0.2973, 0.3095

Monochromacy



Original Color

32.6889, 0.2965, 0.3052

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.8508, 0.3072, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6889, 0.2965, 0.3052 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(152, 154, 170)` looks like.

```
.text, #text, p{  
    color:rgb(152, 154, 170)  
}
```

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(152, 154, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 154, 170) }
```

Border

The CSS property to change the border of an element to Yxy 32.6889, 0.2965, 0.3052 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(152, 154, 170) }
```

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

```
.border{ border-color:rgb(152, 154, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 154, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 154, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 154, 170);  
box-shadow:4px 4px 4px 4px rgb(152, 154,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6889, 0.2965, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 154, 170) }
```

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

```
.background{ background-color: rgb(152,  
154, 170) }
```

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