

Converting Colors

$Y_{xy}(30.3708, 0.3163, 0.3100)$

Have a look what the booklet for
Yxy(30.3708, 0.3163, 0.3100)
contains.

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Color

Yxy(30.2965, 0.3167, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	A1919E
RGB	161, 145, 158
RGB Percent	63%, 57%, 62%
CMY	0.3687, 0.4313, 0.3803
CMYK	0.00, 0.10, 0.02, 0.37
HSL	311°, 8%, 60%
HSV	311°, 10%, 63%
XYZ	30.9913, 30.2965, 36.5691
YIQ	151.2660, 5.3630, 7.4350

Conversions

Conversions Part 2

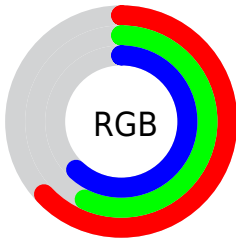
Format	Color
R_{YB}	161, 145, 158
Decimal	10588574
CIE Lab	61.91, 8.33, -4.70
CIE LCh	62, 9.559, 330.581
Yxy	30.2965, 0.3167, 0.3096
Android (android.graphics.Color)	4288778654 (0xFFA1919E)
YUV	151.2660, 3.3199, 8.5367
Hunter-Lab	55.0423, 4.1796, -0.8617

Details

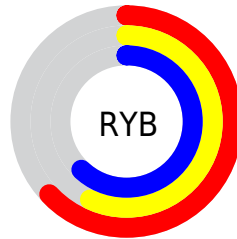
The Yxy color **30.2965, 0.3167, 0.3096** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.6371, 0.3090, 0.3492**, and the grayscale version is **31.0506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2499, 0.3158, 0.3132**, and **12.4972, 0.3169, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **25.6201, 0.3213, 0.2894**, and if you desaturate by 10%, it is **35.6751, 0.3127, 0.3292**.

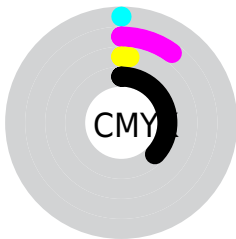
Distribution



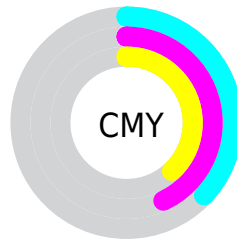
- Red (63%)
- Green (57%)
- Blue (62%)



- Red (63%)
- Yellow (57%)
- Blue (62%)



- Cyan (0%)
- Magenta (10%)
- Yellow (2%)
- Black (37%)





- Cyan (37%)
- Magenta (43%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2965, 0.3167, 0.3096 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 30.2965, 0.3167, 0.3096 by changing the saturation by 10% instead.


 30.2965, 0.3167,
0.3096


 30.2965, 0.3167,
0.3096


303.2841, 0.3146,
0.3199

 20.0637, 0.3172,
0.3068


 60.1308, 0.3159,
0.3135

 12.4414, 0.3180,
0.3032


 80.5011, 0.3156,
0.3149

 7.0450, 0.3189,
0.2980


105.0193, 0.3154,
0.3161

 3.4903, 0.3203,
0.2904

134.0700, 0.3152,
0.3171

 1.3927, 0.3226,
0.2777

168.0374, 0.3150,
0.3179

 0.2114, 0.3443,
0.1801

207.3059, 0.3149,

 0.0000, 0.0000,

0.3186

0.0000

252.2600, 0.3148,
0.3193

■ 30.2965, 0.3167,
0.3096

■ 30.2965, 0.3167,
0.3096

■ 25.6201, 0.3213,
0.2894

■ 35.6751, 0.3127,
0.3292

■ 21.6127, 0.3266,
0.2689

■ 41.7794, 0.3092,
0.3477

■ 18.2444, 0.3324,
0.2488

■ 48.6366, 0.3063,
0.3651

■ 15.4816, 0.3388,
0.2300

■ 56.2715, 0.3038,
0.3812

■ 13.2874, 0.3456,
0.2134

■ 64.7075, 0.3017,
0.3961

■ 11.6209, 0.3527,
0.1998

■ 73.9674, 0.2999,
0.4097

■ 10.4358, 0.3598,
0.1902

■ 82.3434, 0.2984,
0.4195

■ 9.6779, 0.3667,
0.1849

■ 82.4651, 0.2969,
0.4158

■ 9.2212, 0.3734,
0.1831

■ 82.5895, 0.2954,
0.4121

Harmonies

Analogous

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



30.2965, 0.3013, 0.3036



30.2965, 0.3167, 0.3096



30.2965, 0.3314, 0.3205

Triad

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



30.2965, 0.3167, 0.3096



30.2965, 0.3365, 0.3543



30.2965, 0.2852, 0.3232

Complementary

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



30.2965, 0.3167, 0.3096



33.6371, 0.3090, 0.3492

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.



30.2965, 0.2942, 0.3375



30.2965, 0.3167, 0.3096



30.2965, 0.3237, 0.3558

Square

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



30.2965, 0.3167, 0.3096



30.2965, 0.3429, 0.3461



30.2965, 0.3082, 0.3496



30.2965, 0.2834, 0.3110

Rectangle

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



30.2965, 0.3167, 0.3096



30.2965, 0.3386, 0.3292



30.2965, 0.3082, 0.3496



30.2965, 0.2875, 0.3280

Sweetspot

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



30.2978, 0.3167, 0.3096



60.7512, 0.3139, 0.3231



29.1170, 0.3006, 0.3043



13.1561, 0.3142, 0.3216



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



30.2978, 0.3167, 0.3096



52.2358, 0.3177, 0.3050



30.0328, 0.3246, 0.3214



7.1796, 0.3164, 0.3109



7.3703, 0.3729, 0.1828



0.1604, 0.3512, 0.1708

Inverse Universe

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



30.2978, 0.3167, 0.3096



52.2358, 0.3177, 0.3050



33.8975, 0.3021, 0.3367



7.1796, 0.3164, 0.3109



7.3703, 0.3729, 0.1828



0.1604, 0.3512, 0.1708

Previews

White Background



This preview shows how the Yxy color 30.2965, 0.3167, 0.3096 looks on a white background.

Color Contrast Check

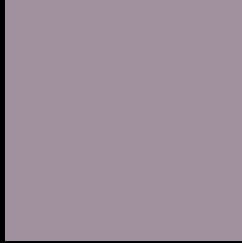
Large Text (above 18pt) WCAG AA × Fail

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 30.2965, 0.3167, 0.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

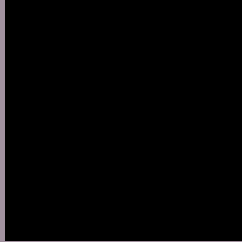
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2965, 0.3167, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 30.2965, 0.3167, 0.3096.



This preview shows how white text looks on a background with the Yxy color 30.2965, 0.3167, 0.3096.

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

30.2965, 0.3167, 0.3096

Protanopia

30.4225, 0.3025, 0.3121

Deuteranopia

30.1930, 0.3157, 0.3095



Tritanopia

30.2622, 0.3177, 0.3111

Trichromacy



Original Color

30.2965, 0.3167, 0.3096

Protanomaly

30.4553, 0.3074, 0.3122

Deuteranomaly

30.1930, 0.3157, 0.3095

Tritanomaly

30.2622, 0.3177, 0.3111

Monochromacy



Original Color

30.2965, 0.3167, 0.3096

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.7965, 0.3141, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2965, 0.3167, 0.3096 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(161, 145, 158)` looks like.

```
.text, #text, p{  
    color:rgb(161, 145, 158)  
}
```

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(161, 145, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 145, 158) }
```

Border

The CSS property to change the border of an element to Yxy 30.2965, 0.3167, 0.3096 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(161, 145, 158) }
```

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

```
.border{ border-color:rgb(161, 145, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 145, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 145, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 145, 158); box-shadow:4px 4px 4px 4px rgb(161, 145, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2965, 0.3167, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 145, 158) }
```

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

```
.background{ background-color: rgb(161,  
145, 158) }
```

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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