

Converting Colors

$Yxy(31.1724, 0.3330, 0.3625)$

Have a look what the booklet for
Yxy(31.1724, 0.3330, 0.3625)
contains.

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Color

Yxy(31.2207, 0.3326, 0.3619)

Conversions

Conversions Part 1

Format	Color
Hex	999984
RGB	153, 153, 132
RGB Percent	60%, 60%, 52%
CMY	0.4000, 0.4000, 0.4822
CMYK	0.00, 0.00, 0.14, 0.40
HSL	60°, 9%, 56%
HSV	60°, 14%, 60%
XYZ	28.6930, 31.2207, 26.3551
YIQ	150.6060, 6.7410, -6.5310

Conversions

Conversions Part 2

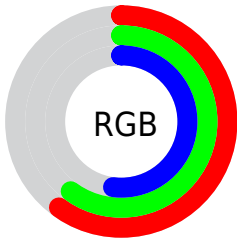
Format	Color
RYB	132, 153, 132
Decimal	10066308
CIELab	62.69, -3.78, 11.04
CIElCh	63, 11.666, 108.911
Yxy	31.2207, 0.3326, 0.3619
Android (android.graphics.Color)	4288256388 (0xFF999984)
YUV	150.6060, -9.1728, 2.0995
Hunter-Lab	55.8755, -6.1193, 11.1472

Details

The Yxy color **31.2207, 0.3326, 0.3619** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.7211, 0.2915, 0.2938**, and the grayscale version is **30.8089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3938, 0.3284, 0.3550**, and **12.9521, 0.3388, 0.3721** is the 20% darker color. If you saturate the color by 10%, you get **30.8322, 0.3474, 0.3864**, and if you desaturate by 10%, it is **31.6734, 0.3180, 0.3377**.

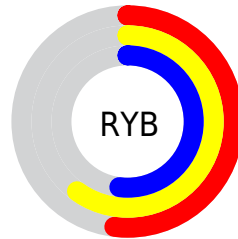
Distribution



Red (60%)

Green (60%)

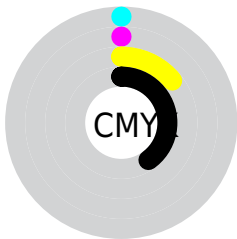
Blue (52%)



Red (52%)

Yellow (60%)

Blue (52%)

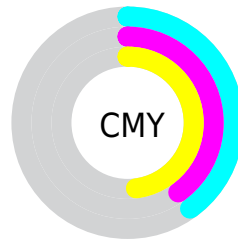


Cyan (0%)

Magenta (0%)

Yellow (14%)

Black (40%)



Cyan (40%)


Magenta (40%)

Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2207, 0.3326, 0.3619 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 31.2207, 0.3326, 0.3619 by changing the saturation by 10% instead.


 31.2207, 0.3326,
0.3619


 31.2207, 0.3326,
0.3619


 307.5538, 0.3221,
0.3442


 20.7670, 0.3354,
0.3668


 61.5874, 0.3286,
0.3551


 12.9538, 0.3392,
0.3733


 82.2691, 0.3272,
0.3527


 7.3967, 0.3444,
0.3826


 107.1290, 0.3260,
0.3507

 3.7114, 0.3521,
0.3968

 136.5513, 0.3250,
0.3490

 1.5135, 0.3658,
0.4225

 170.9206, 0.3241,
0.3475

 0.2982, 0.3906,
0.6094

 210.6212, 0.3233,

 0.0000, 0.0000,

0.3463

0.0000

256.0374, 0.3227,
0.3452

■ 31.2207, 0.3326,
0.3619

■ 31.2207, 0.3326,
0.3619

■ 30.8322, 0.3474,
0.3864

■ 31.6734, 0.3180,
0.3377

■ 30.5010, 0.3620,
0.4106

■ 32.1888, 0.3039,
0.3145

■ 30.2258, 0.3759,
0.4336

■ 32.7704, 0.2907,
0.2925

■ 30.0034, 0.3885,
0.4544

■ 33.4206, 0.2783,
0.2721

■ 29.8305, 0.3993,
0.4723

■ 34.1414, 0.2669,
0.2532

■ 29.7031, 0.4079,
0.4865

■ 34.9350, 0.2565,
0.2360

■ 29.6171, 0.4140,
0.4966

■ 35.8033, 0.2470,
0.2203

■ 29.5672, 0.4176,
0.5027

■ 36.7482, 0.2385,
0.2062

■ 29.5454, 0.4192,
0.5054

■ 36.7855, 0.2382,
0.2057

Harmonies

Analogous

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



31.2207, 0.3456, 0.3565



31.2207, 0.3326, 0.3619



31.2207, 0.3145, 0.3580

Triad

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



31.2207, 0.3326, 0.3619



31.2207, 0.2772, 0.3123



31.2207, 0.3288, 0.3131

Complementary

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



31.2207, 0.3326, 0.3619



23.7211, 0.2915, 0.2938

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.



31.2207, 0.3100, 0.3021



31.2207, 0.3326, 0.3619



31.2207, 0.2806, 0.3012

Square

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



31.2207, 0.3326, 0.3619



31.2207, 0.2828, 0.3286



31.2207, 0.2925, 0.2977



31.2207, 0.3434, 0.3282

Rectangle

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



31.2207, 0.3326, 0.3619



31.2207, 0.3021, 0.3505



31.2207, 0.2925, 0.2977



31.2207, 0.3227, 0.3088

Sweetspot

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



31.2221, 0.3326, 0.3619



56.6876, 0.3185, 0.3386



24.9511, 0.3371, 0.3291



12.5038, 0.3196, 0.3403



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



31.2221, 0.3326, 0.3619



55.7188, 0.3365, 0.3683



30.2477, 0.3217, 0.3630



7.2227, 0.3260, 0.3510



24.4171, 0.4192, 0.5054



0.3651, 0.4193, 0.5053

Inverse Universe

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



23.7211, 0.2915, 0.2938



40.0106, 0.2870, 0.2864



24.6084, 0.3027, 0.2950



6.0265, 0.2988, 0.3060



1.9015, 0.1500, 0.0600



0.0285, 0.1502, 0.0601

Previews

White Background



This preview shows how the Yxy color 31.2207, 0.3326, 0.3619 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 31.2207, 0.3326, 0.3619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

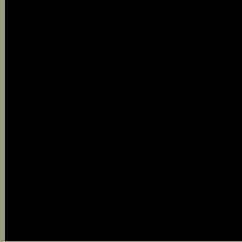
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

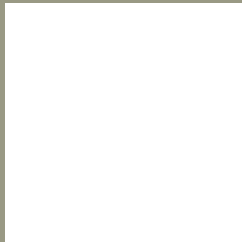
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.2207, 0.3326, 0.3619

Background



This preview shows how black text looks on a background with the Yxy color 31.2207, 0.3326, 0.3619.



This preview shows how white text looks on a background with the Yxy color 31.2207, 0.3326, 0.3619.

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

31.2207, 0.3326, 0.3619

Protanopia

31.1428, 0.3405, 0.3599

Deuteranopia

31.1355, 0.3551, 0.3482



Tritanopia

31.2362, 0.3095, 0.3110

Trichromacy



Original Color

31.2207, 0.3326, 0.3619

Protanomaly

31.2633, 0.3381, 0.3616

Deuteranomaly

31.2953, 0.3465, 0.3532

Tritanomaly

31.0826, 0.3188, 0.3290

Monochromacy



Original Color

31.2207, 0.3326, 0.3619

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.1455, 0.3202, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2207, 0.3326, 0.3619 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(153, 153, 132)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 132)  
}
```

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(153, 153, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 132) }
```

Border

The CSS property to change the border of an element to Yxy 31.2207, 0.3326, 0.3619 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(153, 153, 132) }
```

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

```
.border{ border-color:rgb(153, 153, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 132);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2207, 0.3326, 0.3619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 132) }
```

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

```
.background{ background-color: rgb(153,  
153, 132) }
```

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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