

Converting Colors

$Y_{xy}(33.8410, 0.3129, 0.3317)$

Have a look what the booklet for
Yxy(33.8410, 0.3129, 0.3317)
contains.

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Color

Yxy(33.9219, 0.3126, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	9C9E9C
RGB	156, 158, 156
RGB Percent	61%, 62%, 61%
CMY	0.3882, 0.3804, 0.3883
CMYK	0.01, 0.00, 0.01, 0.38
HSL	119°, 1%, 62%
HSV	119°, 1%, 62%
XYZ	31.9397, 33.9219, 36.3128
YIQ	157.1740, -0.5500, -1.0460

Conversions

Conversions Part 2

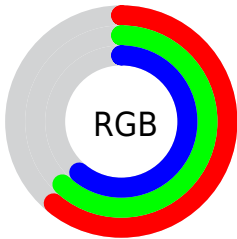
Format	Color
R _Y B	156, 158, 158
Decimal	10264220
CIE Lab	64.90, -1.09, 0.79
CIE LCh	65, 1.347, 144.195
Yxy	33.9219, 0.3126, 0.3320
Android (android.graphics.Color)	4288454300 (0xFF9C9E9C)
YUV	157.1740, -0.5788, -1.0296
Hunter-Lab	58.2425, -4.0365, 3.8039

Details

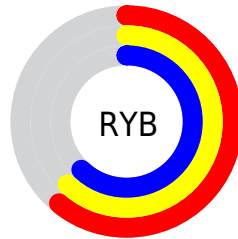
The Yxy color **33.9219, 0.3126, 0.3320** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.5095, 0.3128, 0.3260**, and the grayscale version is **33.8036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9433, 0.3126, 0.3324**, and **14.5386, 0.3125, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **31.9646, 0.3116, 0.3575**, and if you desaturate by 10%, it is **36.1516, 0.3135, 0.3098**.

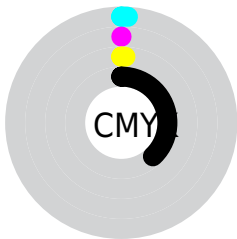
Distribution



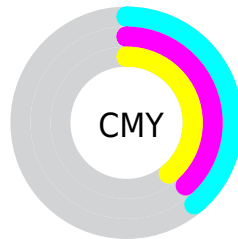
- Red (61%)
- Green (62%)
- Blue (61%)



- Red (61%)
- Yellow (62%)
- Blue (62%)



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (38%)



- Cyan (39%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9219, 0.3126, 0.3320 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 33.9219, 0.3126, 0.3320 by changing the saturation by 10% instead.

■ 33.9219, 0.3126,
0.3320

■ 33.9219, 0.3126,
0.3320

■ 319.7837, 0.3127,
0.3304

■ 22.8336, 0.3126,
0.3324

■ 65.8122, 0.3126,
0.3314

■ 14.4707, 0.3126,
0.3330

■ 87.3830, 0.3126,
0.3312

■ 8.4488, 0.3125,
0.3338

■ 113.2167, 0.3126,
0.3310

■ 4.3834, 0.3125,
0.3349

■ 143.6978, 0.3126,
0.3309

■ 1.8903, 0.3124,
0.3369

■ 179.2107, 0.3127,
0.3307

■ 0.5425, 0.3120,
0.3462

■ 220.1397, 0.3127,

■ 0.0000, 0.0000,

0.3306

0.0000

266.8692, 0.3127,
0.3305

■ 33.9219, 0.3126,
0.3320

■ 33.9219, 0.3126,
0.3320

■ 31.9646, 0.3116,
0.3575

■ 36.1516, 0.3135,
0.3098

■ 30.2652, 0.3104,
0.3863

■ 38.6590, 0.3142,
0.2905

■ 28.8142, 0.3091,
0.4182


■ 41.4548, 0.3148,
0.2739


■ 27.5999, 0.3076,
0.4523


■ 44.5477, 0.3153,
0.2597

■ 26.6099, 0.3061,
0.4874


■ 47.9462, 0.3157,
0.2475


 25.8304, 0.3045,
0.5213

 51.6582, 0.3160,
0.2370

 25.2462, 0.3030,
0.5514

 52.9336, 0.3171,
0.2347

 24.8401, 0.3017,
0.5753

 24.5916, 0.3008,
0.5912

Harmonies

Analogous

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



33.9219, 0.3147, 0.3326



33.9219, 0.3126, 0.3320



33.9219, 0.3106, 0.3306

Triad

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



33.9219, 0.3126, 0.3320



33.9219, 0.3092, 0.3257



33.9219, 0.3163, 0.3293

Complementary

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



33.9219, 0.3126, 0.3320



33.5095, 0.3128, 0.3260

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.



33.9219, 0.3149, 0.3275



33.9219, 0.3126, 0.3320



33.9219, 0.3108, 0.3254

Square

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



33.9219, 0.3126, 0.3320



33.9219, 0.3086, 0.3269



33.9219, 0.3128, 0.3261



33.9219, 0.3168, 0.3311

Rectangle

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



33.9219, 0.3126, 0.3320



33.9219, 0.3095, 0.3293



33.9219, 0.3128, 0.3261



33.9219, 0.3159, 0.3287

Sweetspot

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



33.9234, 0.3126, 0.3320



62.0916, 0.3127, 0.3290



34.1113, 0.3145, 0.3319



13.9985, 0.3127, 0.3290



80.7346, 0.3127, 0.3290

Same Dimension

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



33.9234, 0.3126, 0.3320



61.3145, 0.3125, 0.3338



33.9538, 0.3117, 0.3305



7.7399, 0.3125, 0.3334



19.5966, 0.3004, 0.5997



0.3514, 0.3022, 0.5983

Inverse Universe

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



33.5095, 0.3128, 0.3260



60.1141, 0.3129, 0.3242



33.4788, 0.3137, 0.3275



7.6024, 0.3129, 0.3247



7.6386, 0.3178, 0.1524



0.1378, 0.3191, 0.1532

Previews

White Background



This preview shows how the Yxy color 33.9219, 0.3126, 0.3320 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 33.9219, 0.3126, 0.3320 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

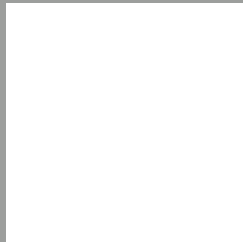
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.9219, 0.3126, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 33.9219, 0.3126, 0.3320.



This preview shows how white text looks on a background with the Yxy color 33.9219, 0.3126, 0.3320.

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

33.9219, 0.3126, 0.3320

Protanopia

34.0576, 0.3185, 0.3320

Deuteranopia

33.7750, 0.3293, 0.3219



Tritanopia

33.8732, 0.3039, 0.3114

Trichromacy



Original Color

33.9219, 0.3126, 0.3320

Protanomaly

33.8514, 0.3165, 0.3320

Deuteranomaly

33.7610, 0.3229, 0.3247

Tritanomaly

33.9624, 0.3065, 0.3187

Monochromacy



Original Color

33.9219, 0.3126, 0.3320

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.7164, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9219, 0.3126, 0.3320 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(156, 158, 156)` looks like.

```
.text, #text, p{  
    color:rgb(156, 158, 156)  
}
```

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(156, 158, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 158, 156) }
```

Border

The CSS property to change the border of an element to Yxy 33.9219, 0.3126, 0.3320 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(156, 158, 156) }
```

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

```
.border{ border-color:rgb(156, 158, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 158, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 158, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 158, 156);  
box-shadow:4px 4px 4px 4px rgb(156, 158,  
156) }
```

Background

The CSS property to change the background color of an element to Yxy 33.9219, 0.3126, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 158, 156) }
```

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

```
.background{ background-color: rgb(156,  
158, 156) }
```

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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