

Converting Colors

$Y_{xy}(34.0812, 0.3059, 0.3214)$

Have a look what the booklet for
Yxy(34.0812, 0.3059, 0.3214)
contains.

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Color

Yxy(34.1660, 0.3064, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	9C9EA3
RGB	156, 158, 163
RGB Percent	61%, 62%, 64%
CMY	0.3881, 0.3804, 0.3609
CMYK	0.04, 0.03, 0.00, 0.36
HSL	223°, 4%, 63%
HSV	223°, 4%, 64%
XYZ	32.5512, 34.1660, 39.5204
YIQ	157.9720, -2.7970, 1.1310

Conversions

Conversions Part 2

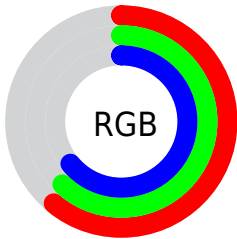
Format	Color
RYB	156, 158, 163
Decimal	10264227
CIELab	65.09, 0.28, -2.85
CIELCh	65, 2.861, 275.568
Yxy	34.1660, 0.3064, 0.3216
Android (android.graphics.Color)	4288454307 (0xFF9C9EA3)
YUV	157.9720, 2.4788, -1.7294
Hunter-Lab	58.4517, -2.8855, 0.8290

Details

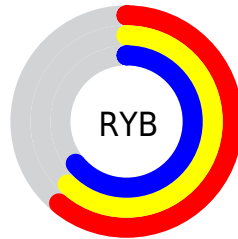
The Yxy color **34.1660, 0.3064, 0.3216** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.6821, 0.3190, 0.3363**, and the grayscale version is **34.1704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3521, 0.3072, 0.3234**, and **14.6663, 0.3050, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **28.8478, 0.2907, 0.3027**, and if you desaturate by 10%, it is **40.0848, 0.3208, 0.3383**.

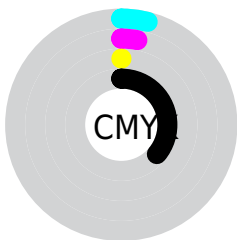
Distribution



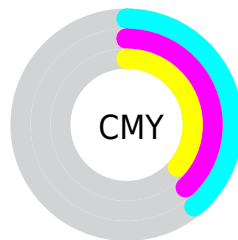
- Red (61%)
- Green (62%)
- Blue (64%)



- Red (61%)
- Yellow (62%)
- Blue (64%)



- Cyan (4%)
- Magenta (3%)
- Yellow (0%)
- Black (36%)



- Cyan (39%)
- Magenta (38%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1660, 0.3064, 0.3216 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 34.1660, 0.3064, 0.3216 by changing the saturation by 10% instead.

■ 34.1660, 0.3064,
0.3216

■ 34.1660, 0.3064,
0.3216

■ 320.8716, 0.3097,
0.3255

■ 23.0212, 0.3055,
0.3206

■ 66.1917, 0.3077,
0.3231

■ 14.6091, 0.3043,
0.3192

■ 87.8414, 0.3081,
0.3236

■ 8.5455, 0.3027,
0.3173

■ 113.7615, 0.3085,
0.3240

■ 4.4460, 0.3003,
0.3144

■ 144.3363, 0.3088,
0.3244

■ 1.9260, 0.2963,
0.3098

■ 179.9504, 0.3091,
0.3248

■ 0.5640, 0.2827,
0.2937

■ 220.9880, 0.3093,

■ 0.0000, 0.0000,

0.3250

0.0000

267.8336, 0.3095,
0.3253

■ 34.1660, 0.3064,
0.3216

■ 34.1660, 0.3064,
0.3216

■ 28.8478, 0.2907,
0.3027

■ 40.0848, 0.3208,
0.3383

■ 24.1068, 0.2739,
0.2816

■ 46.6182, 0.3340,
0.3531

■ 19.9241, 0.2562,
0.2583

■ 53.7850, 0.3460,
0.3659

■ 16.2783, 0.2381,
0.2332

■ 61.6020, 0.3568,
0.3772

■ 13.1465, 0.2200,
0.2068

■ 70.0853, 0.3665,
0.3869

■ 10.5042, 0.2028,
0.1799

■ 79.2506, 0.3752,
0.3954

■ 8.3244, 0.1874,
0.1536

■ 86.1314, 0.3721,
0.4059

■ 6.5774, 0.1745,
0.1292

■ 93.2329, 0.3683,
0.4162

■ 5.2289, 0.1649,
0.1079

■ 95.4237, 0.3672,
0.4191

Harmonies

Analogous

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



34.1660, 0.3043, 0.3234



34.1660, 0.3064, 0.3216



34.1660, 0.3102, 0.3217

Triad

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



34.1660, 0.3064, 0.3216



34.1660, 0.3211, 0.3311



34.1660, 0.3107, 0.3344

Complementary

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



34.1660, 0.3064, 0.3216



35.6821, 0.3190, 0.3363

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.



34.1660, 0.3152, 0.3364



34.1660, 0.3064, 0.3216



34.1660, 0.3212, 0.3345

Square

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



34.1660, 0.3064, 0.3216



34.1660, 0.3187, 0.3272



34.1660, 0.3191, 0.3365



34.1660, 0.3068, 0.3308

Rectangle

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



34.1660, 0.3064, 0.3216



34.1660, 0.3132, 0.3229



34.1660, 0.3191, 0.3365



34.1660, 0.3122, 0.3353

Sweetspot

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



34.1675, 0.3064, 0.3216



64.5273, 0.3112, 0.3273



35.8328, 0.3079, 0.3319



14.5062, 0.3113, 0.3274



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.



34.1675, 0.3064, 0.3216



60.3761, 0.3051, 0.3201



33.6540, 0.3079, 0.3187



7.6299, 0.3044, 0.3193



3.6463, 0.1608, 0.0988



0.1527, 0.1804, 0.1692

Inverse Universe

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



34.0411, 0.3178, 0.3261



60.1123, 0.3188, 0.3256



36.2160, 0.3174, 0.3392



7.5937, 0.3194, 0.3253



6.2122, 0.5777, 0.2956



0.1382, 0.4816, 0.2427

Previews

White Background



This preview shows how the Yxy color 34.1660, 0.3064, 0.3216 looks on a white background.

Color Contrast Check

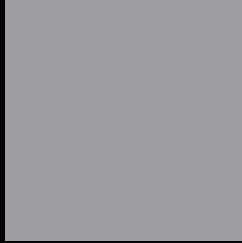
Large Text (above 18pt) WCAG AA × Fail

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 34.1660, 0.3064, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

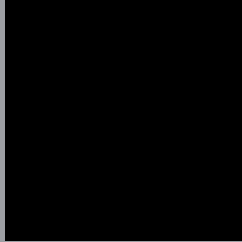
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1660, 0.3064, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 34.1660, 0.3064, 0.3216.



This preview shows how white text looks on a background with the Yxy color 34.1660, 0.3064, 0.3216.

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

34.1660, 0.3064, 0.3216

Protanopia

34.0935, 0.3102, 0.3216

Deuteranopia

34.0088, 0.3194, 0.3133



Tritanopia

34.1466, 0.3021, 0.3114

Trichromacy



Original Color

34.1660, 0.3064, 0.3216

Protanomaly

33.9917, 0.3092, 0.3216

Deuteranomaly

34.1224, 0.3143, 0.3160

Tritanomaly

34.0721, 0.3038, 0.3143

Monochromacy



Original Color

34.1660, 0.3064, 0.3216

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.1599, 0.3100, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1660, 0.3064, 0.3216 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(156, 158, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 158, 163) }
```

Border

The CSS property to change the border of an element to Yxy 34.1660, 0.3064, 0.3216 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, 163) }
```

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

```
.border{ border-color:rgb(156, 158, 163) }
```

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, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 158, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 158, 163);  
box-shadow:4px 4px 4px 4px rgb(156, 158,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1660, 0.3064, 0.3216 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, 163) }
```

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

```
.background{ background-color: rgb(156,  
158, 163) }
```

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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