

Converting Colors

$Y_{xy}(30.2422, 0.3050, 0.3413)$

Have a look what the booklet for
Yxy(30.2422, 0.3050, 0.3413)
contains.

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Color

Yxy(30.2301, 0.3052, 0.3419)

Conversions

Conversions Part 1

Format	Color
Hex	8A9991
RGB	138, 153, 145
RGB Percent	54%, 60%, 57%
CMY	0.4588, 0.4000, 0.4313
CMYK	0.10, 0.00, 0.05, 0.40
HSL	148°, 7%, 57%
HSV	148°, 10%, 60%
XYZ	26.9852, 30.2301, 31.2027
YIQ	147.6030, -6.3720, -5.6680

Conversions

Conversions Part 2

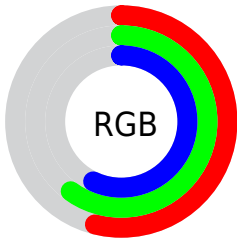
Format	Color
RYB	138, 148, 153
Decimal	9083281
CIELab	61.85, -6.95, 2.37
CIELCh	62, 7.339, 161.163
Yxy	30.2301, 0.3052, 0.3419
Android (android.graphics.Color)	4287273361 (0xFF8A9991)
YUV	147.6030, -1.2833, -8.4218
Hunter-Lab	54.9819, -8.6104, 4.8398

Details

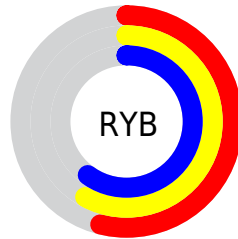
The Yxy color **30.2301, 0.3052, 0.3419** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.0288, 0.3210, 0.3164**, and the grayscale version is **29.4495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8255, 0.3063, 0.3386**, and **12.4037, 0.3020, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **28.7740, 0.2977, 0.3566**, and if you desaturate by 10%, it is **31.8907, 0.3129, 0.3287**.

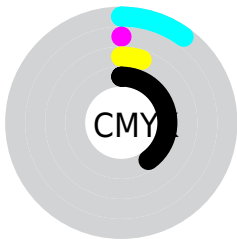
Distribution



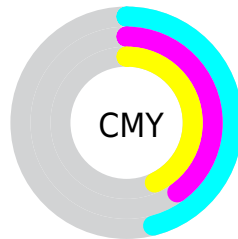
- Red (54%)
- Green (60%)
- Blue (57%)



- Red (54%)
- Yellow (58%)
- Blue (60%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (40%)



- Cyan (46%)
- Magenta (40%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2301, 0.3052, 0.3419 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 30.2301, 0.3052, 0.3419 by changing the saturation by 10% instead.

■ 30.2301, 0.3052,
0.3419

■ 30.2301, 0.3052,
0.3419

302.9755, 0.3093,
0.3349

■ 20.0133, 0.3041,
0.3438

■ 60.0259, 0.3068,
0.3392

■ 12.4047, 0.3025,
0.3465

■ 80.3737, 0.3073,
0.3383

■ 7.0199, 0.3004,
0.3502

■ 104.8672, 0.3078,
0.3375

■ 3.4746, 0.2970,
0.3560

133.8909, 0.3082,
0.3368

■ 1.3842, 0.2911,
0.3663

167.8292, 0.3085,
0.3362

■ 0.2051, 0.0879,
0.7121

207.0665, 0.3088,

■ 0.0000, 0.0000,

0.3357

0.0000

251.9871, 0.3090,
0.3353

■ 30.2301, 0.3052,
0.3419

■ 30.2301, 0.3052,
0.3419

■ 28.7740, 0.2977,
0.3566

■ 31.8907, 0.3129,
0.3287

■ 27.5105, 0.2906,
0.3728

■ 33.7596, 0.3206,
0.3171

■ 26.4324, 0.2842,
0.3905

■ 35.8451, 0.3281,
0.3067

■ 25.5304, 0.2787,
0.4094

■ 38.1542, 0.3355,
0.2976

■ 24.7944, 0.2746,
0.4293

■ 40.6932, 0.3425,
0.2897

■ 24.2135, 0.2720,
0.4498

■ 43.4685, 0.3493,
0.2827

■ 23.7749, 0.2712,
0.4703

■ 46.4861, 0.3557,
0.2766

■ 23.4642, 0.2723,
0.4901

■ 48.7104, 0.3568,
0.2703

■ 23.2465, 0.2748,
0.5089

■ 49.1284, 0.3491,
0.2625

Harmonies

Analogous

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



30.2301, 0.3171, 0.3485



30.2301, 0.3052, 0.3419



30.2301, 0.2954, 0.3317

Triad

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



30.2301, 0.3052, 0.3419



30.2301, 0.2974, 0.3090



30.2301, 0.3357, 0.3363

Complementary

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



30.2301, 0.3052, 0.3419



27.0288, 0.3210, 0.3164

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.



30.2301, 0.3302, 0.3260



30.2301, 0.3052, 0.3419



30.2301, 0.3080, 0.3105

Square

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



30.2301, 0.3052, 0.3419



30.2301, 0.2910, 0.3128



30.2301, 0.3200, 0.3166



30.2301, 0.3348, 0.3449

Rectangle

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



30.2301, 0.3052, 0.3419



30.2301, 0.2914, 0.3245



30.2301, 0.3200, 0.3166



30.2301, 0.3345, 0.3329

Sweetspot

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



30.2314, 0.3052, 0.3419



56.1021, 0.3104, 0.3329



30.7523, 0.3199, 0.3529



12.3366, 0.3098, 0.3339



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.



30.2314, 0.3052, 0.3419



53.4708, 0.3033, 0.3453



30.4621, 0.2987, 0.3302



6.9712, 0.3056, 0.3411



19.2161, 0.2744, 0.5080



0.2945, 0.2525, 0.4291

Inverse Universe

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



27.0288, 0.3210, 0.3164



46.4215, 0.3233, 0.3132



26.8104, 0.3286, 0.3279



6.2750, 0.3205, 0.3172



6.1026, 0.4775, 0.2404



0.0986, 0.3976, 0.1964

Previews

White Background



This preview shows how the Yxy color 30.2301, 0.3052, 0.3419 looks on a white background.

Color Contrast Check

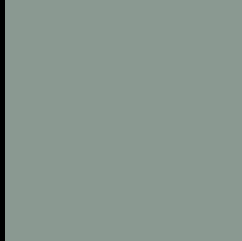
Large Text (above 18pt) WCAG AA × Fail

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 30.2301, 0.3052, 0.3419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

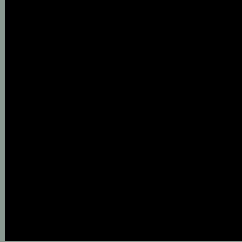
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

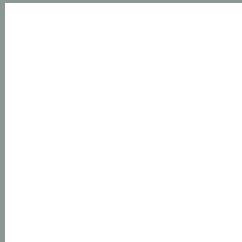
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2301, 0.3052, 0.3419

Background



This preview shows how black text looks on a background with the Yxy color 30.2301, 0.3052, 0.3419.



This preview shows how white text looks on a background with the Yxy color 30.2301, 0.3052, 0.3419.

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

30.2301, 0.3052, 0.3419

Protanopia

30.2504, 0.3226, 0.3384

Deuteranopia

29.9456, 0.3311, 0.3245



Tritanopia

30.0840, 0.2929, 0.3102

Trichromacy



Original Color

30.2301, 0.3052, 0.3419

Protanomaly

30.1222, 0.3164, 0.3385

Deuteranomaly

29.9113, 0.3220, 0.3306

Tritanomaly

30.1090, 0.2973, 0.3210

Monochromacy



Original Color

30.2301, 0.3052, 0.3419

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.8486, 0.3095, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2301, 0.3052, 0.3419 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(138, 153, 145)` looks like.

```
.text, #text, p{  
    color:rgb(138, 153, 145)  
}
```

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(138, 153, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 153, 145) }
```

Border

The CSS property to change the border of an element to Yxy 30.2301, 0.3052, 0.3419 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(138, 153, 145) }
```

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

```
.border{ border-color:rgb(138, 153, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 153, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 153, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 153, 145);  
box-shadow:4px 4px 4px 4px rgb(138, 153,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2301, 0.3052, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 153, 145) }
```

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

```
.background{ background-color: rgb(138,  
153, 145) }
```

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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