

Converting Colors

$Yxy(48.9631, 0.3144, 0.3306)$

Have a look what the booklet for
Yxy(48.9631, 0.3144, 0.3306)
contains.

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Color

Yxy(49.1433, 0.3151, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	BBBAB8
RGB	187, 186, 184
RGB Percent	73%, 73%, 72%
CMY	0.2668, 0.2705, 0.2785
CMYK	0.00, 0.01, 0.02, 0.27
HSL	41°, 2%, 73%
HSV	41°, 2%, 73%
XYZ	46.6980, 49.1433, 52.3593
YIQ	186.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

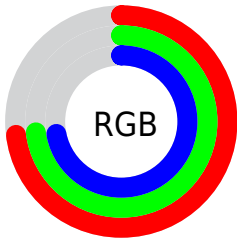
Format	Color
R_{YB}	186, 187, 184
Decimal	12303032
CIE _{Lab}	75.54, -0.03, 1.14
CIE _{LCh}	76, 1.139, 91.593
Yxy	49.1433, 0.3151, 0.3316
Android (android.graphics.Color)	4290493112 (0xFFBBB8B8)
YUV	186.0710, -1.0210, 0.8147
Hunter-Lab	70.1023, -3.7729, 4.7880

Details

The Yxy color **49.1433, 0.3151, 0.3316** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.4485, 0.3103, 0.3264**, and the grayscale version is **49.1487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8502, 0.3146, 0.3310**, and **23.4821, 0.3160, 0.3325** is the 20% darker color. If you saturate the color by 10%, you get **45.9331, 0.3309, 0.3484**, and if you desaturate by 10%, it is **52.5679, 0.3009, 0.3158**.

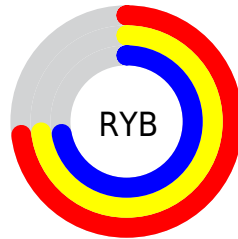
Distribution



Red (73%)

Green (73%)

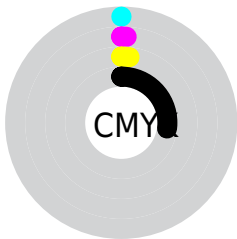
Blue (72%)



Red (73%)

Yellow (73%)

Blue (72%)

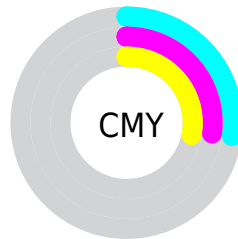


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (27%)



Cyan (27%)


Magenta (27%)

Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1433, 0.3151, 0.3316 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 49.1433, 0.3151, 0.3316 by changing the saturation by 10% instead.

 49.1433, 0.3151,
0.3316

 49.1433, 0.3151,
0.3316


383.3062, 0.3139,
0.3303

 34.7332, 0.3154,
0.3319

 88.9042, 0.3147,
0.3311

 23.4574, 0.3158,
0.3323


115.0239, 0.3145,
0.3310

 14.9316, 0.3163,
0.3329


145.8154, 0.3144,
0.3308

 8.7714, 0.3169,
0.3336

181.6633, 0.3143,
0.3307

 4.5924, 0.3180,
0.3347

222.9519, 0.3142,
0.3306

 2.0101, 0.3196,
0.3365

270.0657, 0.3141,

 0.6134, 0.3264,

0.3305

0.3438

323.3890, 0.3140,
0.3304

0.0000, 0.0000,
0.0000

49.1433, 0.3151,
0.3316

49.1433, 0.3151,
0.3316

45.9331, 0.3309,
0.3484

52.5679, 0.3009,
0.3158

42.9256, 0.3482,
0.3658

56.2056, 0.2881,
0.3011

40.1173, 0.3669,
0.3835

60.0634, 0.2768,
0.2875

37.5023, 0.3868,
0.4010

63.9007, 0.2688,
0.2788

35.0742, 0.4073,
0.4173

66.9251, 0.2694,
0.2857

■ 32.8261, 0.4278,
0.4314

■ 70.0621, 0.2701,
0.2926

■ 30.7505, 0.4473,
0.4423

■ 73.3129, 0.2708,
0.2994

■ 28.8390, 0.4649,
0.4489

■ 76.6787, 0.2714,
0.3061

■ 27.0816, 0.4796,
0.4507

■ 80.1606, 0.2721,
0.3128

Harmonies

Analogous

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



49.1433, 0.3157, 0.3308



49.1433, 0.3151, 0.3316



49.1433, 0.3138, 0.3317

Triad

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



49.1433, 0.3151, 0.3316



49.1433, 0.3099, 0.3284



49.1433, 0.3132, 0.3270

Complementary

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



49.1433, 0.3151, 0.3316



48.4485, 0.3103, 0.3264

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.



49.1433, 0.3116, 0.3264



49.1433, 0.3151, 0.3316



49.1433, 0.3097, 0.3272

Square

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



49.1433, 0.3151, 0.3316



49.1433, 0.3108, 0.3298



49.1433, 0.3104, 0.3264



49.1433, 0.3147, 0.3282

Rectangle

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



49.1433, 0.3151, 0.3316



49.1433, 0.3128, 0.3313



49.1433, 0.3104, 0.3264



49.1433, 0.3127, 0.3267

Sweetspot

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



49.1454, 0.3151, 0.3316



89.0005, 0.3127, 0.3290



48.3359, 0.3145, 0.3277



19.5994, 0.3127, 0.3290



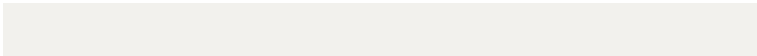
95.5105, 0.3127, 0.3290

Same Dimension

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



49.1454, 0.3151, 0.3316



87.7885, 0.3157, 0.3323



49.4901, 0.3146, 0.3328



11.1389, 0.3155, 0.3320



17.8545, 0.4890, 0.4499



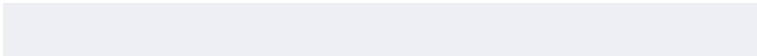
0.8129, 0.4685, 0.4662

Inverse Universe

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



48.4485, 0.3103, 0.3264



86.2110, 0.3097, 0.3257



48.1085, 0.3108, 0.3252



10.9546, 0.3099, 0.3259



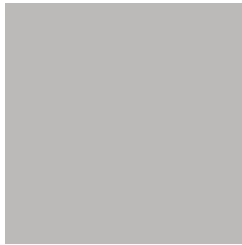
4.8235, 0.1630, 0.1069



0.3103, 0.1771, 0.1576

Previews

White Background



This preview shows how the Yxy color 49.1433, 0.3151, 0.3316 looks on a white background.

Color Contrast Check

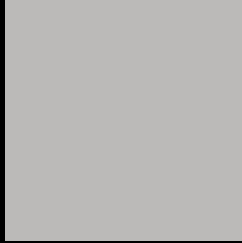
Large Text (above 18pt) WCAG AA × Fail

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 49.1433, 0.3151, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

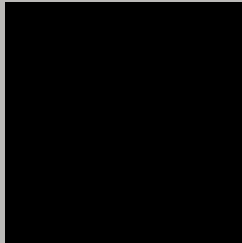
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

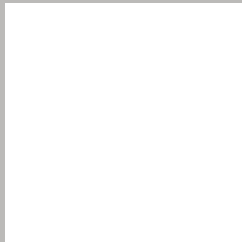
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1433, 0.3151, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 49.1433, 0.3151, 0.3316.



This preview shows how white text looks on a background with the Yxy color 49.1433, 0.3151, 0.3316.

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

49.1433, 0.3151, 0.3316

Protanopia

49.0640, 0.3185, 0.3316

Deuteranopia

48.9827, 0.3295, 0.3229



Tritanopia

49.1770, 0.3061, 0.3115

Trichromacy



Original Color

49.1433, 0.3151, 0.3316

Protanomaly

48.9356, 0.3176, 0.3316

Deuteranomaly

48.9644, 0.3240, 0.3253

Tritanomaly

49.2395, 0.3090, 0.3189

Monochromacy



Original Color

49.1433, 0.3151, 0.3316

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.0597, 0.3135, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1433, 0.3151, 0.3316 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(187, 186, 184)` looks like.

```
.text, #text, p{  
    color:rgb(187, 186, 184)  
}
```

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(187, 186, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 186, 184) }
```

Border

The CSS property to change the border of an element to Yxy 49.1433, 0.3151, 0.3316 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(187, 186, 184) }
```

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

```
.border{ border-color:rgb(187, 186, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 186, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 186, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 186, 184);  
box-shadow:4px 4px 4px 4px rgb(187, 186,  
184) }
```

Background

The CSS property to change the background color of an element to Yxy 49.1433, 0.3151, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 186, 184) }
```

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

```
.background{ background-color: rgb(187,  
186, 184) }
```

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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