

Converting Colors

$Yxy(49.8144, 0.3142, 0.3315)$

Have a look what the booklet for
Yxy(49.8144, 0.3142, 0.3315)
contains.

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Color

Yxy(49.6082, 0.3143, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	BBBBB9
RGB	187, 187, 185
RGB Percent	73%, 73%, 73%
CMY	0.2666, 0.2667, 0.2747
CMYK	0.00, 0.00, 0.01, 0.27
HSL	60°, 1%, 73%
HSV	60°, 1%, 73%
XYZ	47.0201, 49.6082, 52.9743
YIQ	186.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

Format	Color
R_{YB}	185, 187, 185
Decimal	12303289
CIE Lab	75.83, -0.37, 1.02
CIE LCh	76, 1.087, 109.728
Yxy	49.6082, 0.3143, 0.3316
Android (android.graphics.Color)	4290493369 (0xFFBBBBB9)
YUV	186.7720, -0.8736, 0.2000
Hunter-Lab	70.4331, -4.0940, 4.7099

Details

The Yxy color **49.6082, 0.3143, 0.3316** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.5849, 0.3111, 0.3264**, and the grayscale version is **49.5646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5067, 0.3139, 0.3310**, and **23.7845, 0.3148, 0.3325** is the 20% darker color. If you saturate the color by 10%, you get **48.8275, 0.3290, 0.3558**, and if you desaturate by 10%, it is **50.4971, 0.3002, 0.3084**.

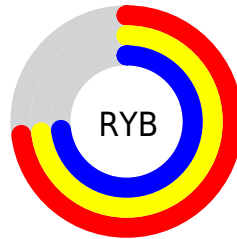
Distribution



Red (73%)

Green (73%)

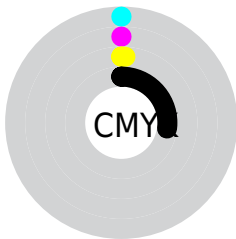
Blue (73%)



Red (73%)

Yellow (73%)

Blue (73%)

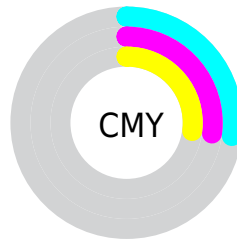


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (27%)



Cyan (27%)

Magenta (27%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6082, 0.3143, 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 49.6082, 0.3143, 0.3316 by changing the saturation by 10% instead.

■ 49.6082, 0.3143,
0.3316

■ 49.6082, 0.3143,
0.3316

385.1318, 0.3135,
0.3303

■ 35.1022, 0.3145,
0.3319

■ 89.5941, 0.3140,
0.3311

■ 23.7416, 0.3147,
0.3323

115.8428, 0.3139,
0.3310

■ 15.1421, 0.3151,
0.3329

146.7744, 0.3138,
0.3308

■ 8.9191, 0.3155,
0.3336

182.7735, 0.3137,
0.3307

■ 4.6885, 0.3162,
0.3347

224.2244, 0.3137,
0.3306

■ 2.0657, 0.3173,
0.3365

271.5115, 0.3136,

■ 0.6452, 0.3214,

0.3305

0.3431

325.0191, 0.3136,
0.3304

0.0000, 0.0000,
0.0000

49.6082, 0.3143,
0.3316

49.6082, 0.3143,
0.3316

48.8275, 0.3290,
0.3558

50.4971, 0.3002,
0.3084

48.1445, 0.3441,
0.3806

51.4917, 0.2870,
0.2867

47.5571, 0.3591,
0.4051

52.5976, 0.2747,
0.2665

47.0607, 0.3735,
0.4287

53.5073, 0.2662,
0.2525

46.6504, 0.3867,
0.4503

53.5519, 0.2662,
0.2527

■ 46.3207, 0.3982,
0.4689

■ 53.5965, 0.2663,
0.2528

■ 46.0655, 0.4074,
0.4839

■ 53.6412, 0.2663,
0.2529

■ 45.8779, 0.4141,
0.4948

■ 53.6859, 0.2663,
0.2530

■ 45.7496, 0.4183,
0.5014

■ 53.7307, 0.2663,
0.2531

Harmonies

Analogous

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



49.6082, 0.3153, 0.3313



49.6082, 0.3143, 0.3316



49.6082, 0.3129, 0.3312

Triad

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



49.6082, 0.3143, 0.3316



49.6082, 0.3098, 0.3277



49.6082, 0.3141, 0.3278

Complementary

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



49.6082, 0.3143, 0.3316



48.5849, 0.3111, 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.



49.6082, 0.3126, 0.3268



49.6082, 0.3143, 0.3316



49.6082, 0.3101, 0.3268

Square

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



49.6082, 0.3143, 0.3316



49.6082, 0.3103, 0.3290



49.6082, 0.3112, 0.3265



49.6082, 0.3152, 0.3290

Rectangle

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



49.6082, 0.3143, 0.3316



49.6082, 0.3119, 0.3307



49.6082, 0.3112, 0.3265



49.6082, 0.3136, 0.3274

Sweetspot

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



49.6103, 0.3143, 0.3316



89.0005, 0.3127, 0.3290



48.7514, 0.3144, 0.3290



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.



49.6103, 0.3143, 0.3316



88.8476, 0.3142, 0.3314



49.4904, 0.3135, 0.3316



11.2626, 0.3141, 0.3312



31.4657, 0.4203, 0.5045



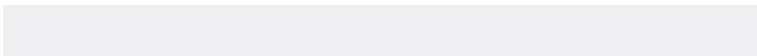
1.2355, 0.4200, 0.5047

Inverse Universe

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



48.5849, 0.3111, 0.3264



87.1476, 0.3112, 0.3266



48.7039, 0.3120, 0.3264



11.0641, 0.3114, 0.3268



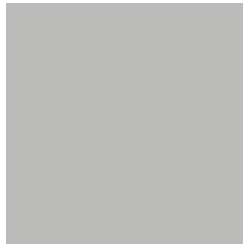
2.4913, 0.1501, 0.0604



0.1006, 0.1506, 0.0621

Previews

White Background



This preview shows how the Yxy color 49.6082, 0.3143, 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 49.6082, 0.3143, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

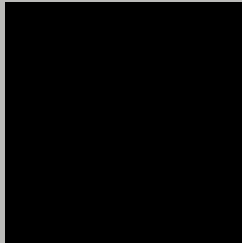
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

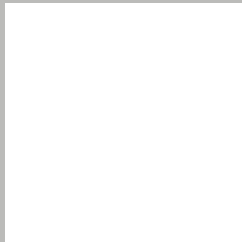
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6082, 0.3143, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 49.6082, 0.3143, 0.3316.



This preview shows how white text looks on a background with the Yxy color 49.6082, 0.3143, 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

49.6082, 0.3143, 0.3316

Protanopia

49.6549, 0.3185, 0.3315

Deuteranopia

49.5721, 0.3294, 0.3230



Tritanopia

49.6403, 0.3053, 0.3115

Trichromacy



Original Color

49.6082, 0.3143, 0.3316

Protanomaly

49.5257, 0.3176, 0.3315

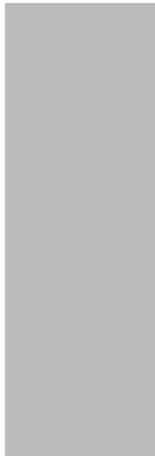
Deuteranomaly

49.4179, 0.3231, 0.3253

Tritanomaly

49.7042, 0.3082, 0.3189

Monochromacy



Original Color

49.6082, 0.3143, 0.3316

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6506, 0.3135, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6082, 0.3143, 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, 187, 185)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 185)  
}
```

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, 187, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 185) }
```

Border

The CSS property to change the border of an element to Yxy 49.6082, 0.3143, 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, 187, 185) }
```

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

```
.border{ border-color:rgb(187, 187, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 187, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 185);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
185) }
```

Background

The CSS property to change the background color of an element to Yxy 49.6082, 0.3143, 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, 187, 185) }
```

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

```
.background{ background-color: rgb(187,  
187, 185) }
```

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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