

Converting Colors

XYZ(31.0046, 29.7886, 29.3001)

Have a look what the booklet for
XYZ(31.0046, 29.7886, 29.3001)
contains.

XYZ(31.0583, 29.8151, 29.3173)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.0583, 29.8151,
29.3173)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8E8D
RGB	170, 142, 141
RGB Percent	67%, 56%, 55%
CMY	0.3333, 0.4431, 0.4471
CMYK	0.00, 0.16, 0.17, 0.33
HSL	2°, 15%, 61%
HSV	2°, 17%, 67%
XYZ	31.0583, 29.8151, 29.3173
YIQ	150.2580, 17.0090, 5.6250

Conversions

Conversions Part 2

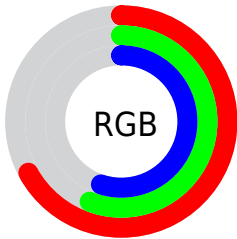
Format	Color
R_{YB}	170, 142, 141
Decimal	11177613
CIE _{Lab}	61.49, 10.36, 4.46
CIE _{LCh}	61, 11.283, 23.306
Yxy	29.8151, 0.3444, 0.3306
Android (android.graphics.Color)	4289367693 (0xFFAA8E8D)
YUV	150.2580, -4.5642, 17.3137
Hunter-Lab	54.6032, 5.9752, 6.3885

Details

The XYZ color **31.0583, 29.8151, 29.3173** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **32.4281, 36.9403, 43.4516**, and the grayscale version is **29.1134, 30.6295, 33.3555**.

A 20% lighter version of the original color is **60.9543, 59.5887, 59.9189**, and **13.0516, 12.1915, 11.5628** is the 20% darker color. If you saturate the color by 10%, you get **27.6246, 24.8189, 22.4037**, and if you desaturate by 10%, it is **35.0474, 35.6107, 37.3747**.

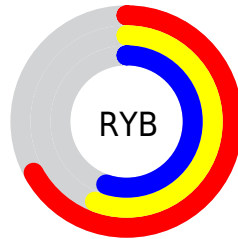
Distribution



Red (67%)

Green (56%)

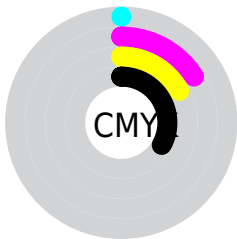
Blue (55%)



Red (67%)

Yellow (56%)

Blue (55%)

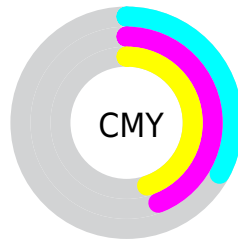


Cyan (0%)

Magenta (16%)

Yellow (17%)

Black (33%)



Cyan (33%)

Magenta (44%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0583, 29.8151, 29.3173 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 XYZ color 31.0583, 29.8151, 29.3173 by changing the saturation by 10% instead.


 31.0583, 29.8151,
29.3173


 31.0583, 29.8151,
29.3173


298.6289,
301.0416, 312.8168


 20.7953, 19.6983,
19.0733

 60.7071, 59.3696,
59.6290

 13.0861, 12.1759,
11.5459


 80.8235, 79.5762,
80.5339

 7.5652, 6.8636,
6.3165


 104.9552,
103.9147, 105.8294

 3.8675, 3.3769,
2.9666

133.4674,
132.7697, 135.9342

 1.6274, 1.3315,
1.0776

166.7255,
166.5255, 171.2668

 0.4102, 0.1654,
0.0000

205.0949,

 0.0000, 0.0000,

205.5665, 212.2458

0.0000

248.9409,
250.2770, 259.2896

■ 31.0583, 29.8151,
29.3173

■ 31.0583, 29.8151,
29.3173

■ 27.6246, 24.8189,
22.4037

■ 35.0474, 35.6107,
37.3747

■ 24.7194, 20.5833,
16.5803

■ 39.6123, 42.2345,
46.6224

■ 22.3172, 17.0723,
11.7921

■ 44.7756, 49.7186,
57.1067

■ 20.3893, 14.2451,
7.9784

■ 50.5578, 58.0923,
68.8708

■ 18.9044, 12.0574,
5.0724

■ 56.9785, 67.3835,
81.9558

■ 17.8272, 10.4592,
2.9988

■ 64.0564, 77.6188,
96.4011

■ 17.1172, 9.3934,
1.6700

■ 70.3877, 87.2861,
107.7458

■ 16.7214, 8.7897,
0.9589

■ 16.6415, 8.6737,
0.7971

Harmonies

Analogous

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



31.2871, 29.8151, 33.4317



31.0583, 29.8151, 29.3173



30.0891, 29.8151, 26.3057

Triad

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



31.0583, 29.8151, 29.3173



26.0976, 29.8151, 27.7932



28.0049, 29.8151, 41.3357

Complementary

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



31.0583, 29.8151, 29.3173



32.4281, 36.9403, 43.4516

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.



26.6569, 29.8151, 39.5145



31.0583, 29.8151, 29.3173



25.5809, 29.8151, 31.5143

Square

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



31.0583, 29.8151, 29.3173



27.2174, 29.8151, 25.4812



25.7820, 29.8151, 35.8273



29.4897, 29.8151, 40.6175

Rectangle

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



31.0583, 29.8151, 29.3173



29.1713, 29.8151, 25.2062



25.7820, 29.8151, 35.8273



27.5214, 29.8151, 40.9953

Sweetspot

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



31.0591, 29.8164, 29.3179



65.1351, 66.8556, 70.9402



33.2674, 30.4621, 41.6793



14.4048, 14.7340, 15.5758



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.0591, 29.8164, 29.3179



54.1850, 50.9454, 48.8238



33.3526, 34.4034, 30.0824



7.5511, 7.5823, 7.8548



12.2502, 6.3976, 0.5892



0.3044, 0.1683, 0.0164

Inverse Universe

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



32.4281, 36.9403, 43.4516



57.0818, 66.0217, 78.7368



29.8845, 31.8531, 42.6037



7.7250, 8.4869, 9.6493



15.1277, 21.7156, 31.3697



0.3747, 0.5415, 0.7654

Previews

White Background



This preview shows how the XYZ color 31.0583, 29.8151, 29.3173 looks on a white background.

Color Contrast Check

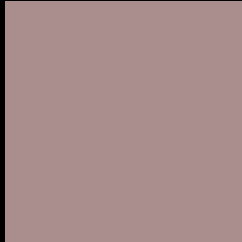
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 31.0583, 29.8151, 29.3173 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 × Fail

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

XYZ 31.0583, 29.8151, 29.3173

Background



This preview shows how black text looks on a background with the XYZ color 31.0583, 29.8151, 29.3173.



This preview shows how white text looks on a background with the XYZ color 31.0583, 29.8151,

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

31.0583, 29.8151, 29.3173

Protanopia

28.5728, 29.8688, 30.6449

Deuteranopia

30.5069, 29.9766, 29.3775



Tritanopia

31.7586, 29.6485, 33.3270

Trichromacy



Original Color

31.0583, 29.8151, 29.3173

Protanomaly

29.5349, 29.9119, 30.2035

Deuteranomaly

30.5665, 29.7835, 29.3371

Tritanomaly

31.5859, 29.8143, 31.6937

Monochromacy



Original Color

31.0583, 29.8151, 29.3173

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.6048, 30.1421, 31.8614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0583, 29.8151, 29.3173 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(170, 142, 141)` looks like.

```
.text, #text, p{  
    color:rgb(170, 142, 141)  
}
```

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(170, 142, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 142, 141) }
```

Border

The CSS property to change the border of an element to XYZ 31.0583, 29.8151, 29.3173 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(170, 142, 141) }
```


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

```
.border{ border-color:rgb(170, 142, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 142, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 142, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 142, 141);  
box-shadow:4px 4px 4px 4px rgb(170, 142,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0583, 29.8151, 29.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 142, 141) }
```

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

```
.background{ background-color: rgb(170,  
142, 141) }
```

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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