

Converting Colors

XYZ(31.7055, 30.9189, 30.5543)

Have a look what the booklet for
XYZ(31.7055, 30.9189, 30.5543)
contains.

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Color

**XYZ(31.8905, 31.1174,
30.7110)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9290
RGB	170, 146, 144
RGB Percent	67%, 57%, 56%
CMY	0.3333, 0.4274, 0.4353
CMYK	0.00, 0.14, 0.15, 0.33
HSL	5°, 13%, 62%
HSV	5°, 15%, 67%
XYZ	31.8905, 31.1174, 30.7110
YIQ	152.9480, 14.9460, 4.4660

Conversions

Conversions Part 2

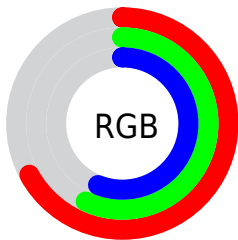
Format	Color
RYB	170, 146, 144
Decimal	11178640
CIELab	62.61, 8.62, 4.37
CIELCh	63, 9.660, 26.875
Yxy	31.1174, 0.3403, 0.3320
Android (android.graphics.Color)	4289368720 (0xFFAA9290)
YUV	152.9480, -4.4114, 14.9546
Hunter-Lab	55.7830, 4.4262, 6.4063

Details

The XYZ color **31.8905, 31.1174, 30.7110** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.7598, 36.8362, 43.4141**, and the grayscale version is **30.2704, 31.8468, 34.6811**.

A 20% lighter version of the original color is **61.8987, 61.3933, 62.0138**, and **13.5838, 12.8441, 12.3529** is the 20% darker color. If you saturate the color by 10%, you get **28.4330, 26.1273, 23.6235**, and if you desaturate by 10%, it is **35.8774, 36.8525, 38.9410**.

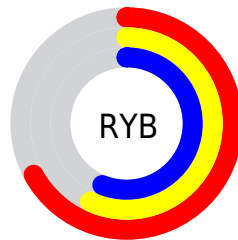
Distribution



Red (67%)

Green (57%)

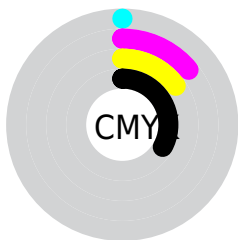
Blue (56%)



Red (67%)

Yellow (57%)

Blue (56%)

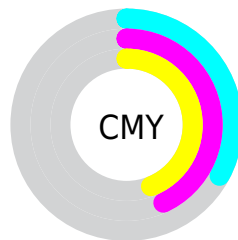


Cyan (0%)

Magenta (14%)

Yellow (15%)

Black (33%)



Cyan (33%)


Magenta (43%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8905, 31.1174, 30.7110 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 31.8905, 31.1174, 30.7110 by changing the saturation by 10% instead.


 31.8905, 31.1174,
30.7110


 31.8905, 31.1174,
30.7110


302.3743,
307.0788, 319.5145

 21.4330, 20.6883,
20.1223


 62.0057, 61.4249,
61.8590

 13.5552, 12.8963,
12.2990


 82.3942, 82.0720,
83.2554

 7.8915, 7.3572,
6.8226


106.8237,
106.8939, 109.0914

 4.0768, 3.6865,
3.2747

135.6596,
136.2749, 139.7855

 1.7457, 1.4998,
1.2365

169.2673,
170.5996, 175.7564

 0.4846, 0.2886,
0.0089

208.0120,

 0.0000, 0.0000,

210.2522, 217.4225

0.0000

252.2593,
255.6171, 265.2023

■ 31.8905, 31.1174,
30.7110

■ 31.8905, 31.1174,
30.7110

■ 28.4330, 26.1273,
23.6235

■ 35.8774, 36.8525,
38.9410

■ 25.4801, 21.8476,
17.6262

■ 40.4120, 43.3571,
48.3589

■ 23.0090, 18.2474,
12.6655

■ 45.5148, 50.6596,
59.0099

■ 20.9941, 15.2916,
8.6827

■ 51.2046, 58.7857,
70.9363

■ 19.4073, 12.9422,
5.6130

■ 57.4992, 67.7602,
84.1783

■ 18.2175, 11.1569,
3.3839

■ 64.4158, 77.6066,
98.7745

■ 17.3893, 9.8885,
1.9119

■ 70.3877, 87.2861,
107.7458

■ 16.8803, 9.0811,
1.0929

■ 16.7229, 8.8365,
0.8242

Harmonies

Analogous

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



32.1747, 31.1174, 34.2781



31.8905, 31.1174, 30.7110



30.9802, 31.1174, 28.1692

Triad

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



31.8905, 31.1174, 30.7110



27.5078, 31.1174, 30.0747



29.4384, 31.1174, 41.6427

Complementary

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



31.8905, 31.1174, 30.7110



32.7598, 36.8362, 43.4141

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.



28.2152, 31.1174, 40.3183



31.8905, 31.1174, 30.7110



27.1215, 31.1174, 33.4881

Square

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



31.8905, 31.1174, 30.7110



28.4473, 31.1174, 27.8213



27.3766, 31.1174, 37.2632



30.7345, 31.1174, 40.7635

Rectangle

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



31.8905, 31.1174, 30.7110



30.1543, 31.1174, 27.3044



27.3766, 31.1174, 37.2632



29.0054, 31.1174, 41.4382

Sweetspot

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



31.8914, 31.1188, 30.7117



65.2524, 67.0901, 70.9793



33.6440, 31.3301, 41.4506



14.4342, 14.7928, 15.5856



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.



31.8914, 31.1188, 30.7117



55.8608, 53.5750, 51.6078



33.9643, 35.2647, 31.4026



7.5758, 7.6317, 7.8631



12.3189, 6.5351, 0.6121



0.3138, 0.1871, 0.0196

Inverse Universe

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



32.7598, 36.8362, 43.4141



57.7090, 65.7459, 78.6505



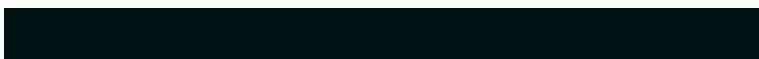
30.5235, 32.3636, 42.6686



7.6974, 8.4317, 9.6401



14.2130, 19.8862, 31.0648



0.3598, 0.5119, 0.7605

Previews

White Background



This preview shows how the XYZ color 31.8905, 31.1174, 30.7110 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 XYZ color 31.8905, 31.1174, 30.7110 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](#).

XYZ 31.8905, 31.1174, 30.7110

Background



This preview shows how black text looks on a background with the XYZ color 31.8905, 31.1174, 30.7110.



This preview shows how white text looks on a background with the XYZ color 31.8905, 31.1174,

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

31.8905, 31.1174, 30.7110

Protanopia

29.8506, 31.2084, 32.0543

Deuteranopia

31.6751, 31.0064, 30.7009



Tritanopia

32.6842, 30.9710, 35.2657

Trichromacy



Original Color

31.8905, 31.1174, 30.7110

Protanomaly

30.4330, 31.0438, 31.5822

Deuteranomaly

31.6751, 31.0064, 30.7009

Tritanomaly

32.5059, 31.1431, 33.5761

Monochromacy



Original Color

31.8905, 31.1174, 30.7110

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.7094, 31.3856, 33.2936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8905, 31.1174, 30.7110 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, 146, 144)` looks like.

```
.text, #text, p{  
    color:rgb(170, 146, 144)  
}
```

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, 146, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 146, 144) }
```

Border

The CSS property to change the border of an element to XYZ 31.8905, 31.1174, 30.7110 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, 146, 144) }
```


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

```
.border{ border-color:rgb(170, 146, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 146, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 146, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 146, 144);  
box-shadow:4px 4px 4px 4px rgb(170, 146,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8905, 31.1174, 30.7110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 146, 144) }
```

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

```
.background{ background-color: rgb(170,  
146, 144) }
```

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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