

Converting Colors

XYZ(31.8702, 30.6847, 30.6038)

Have a look what the booklet for
XYZ(31.8702, 30.6847, 30.6038)
contains.

XYZ(31.8019, 30.6181, 30.6193)	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(31.8019, 30.6181,
30.6193)**

Conversions

Conversions Part 1

Format	Color
Hex	AB9090
RGB	171, 144, 144
RGB Percent	67%, 56%, 56%
CMY	0.3294, 0.4353, 0.4353
CMYK	0.00, 0.16, 0.16, 0.33
HSL	0°, 14%, 62%
HSV	0°, 16%, 67%
XYZ	31.8019, 30.6181, 30.6193
YIQ	152.0730, 16.0920, 5.7240

Conversions

Conversions Part 2

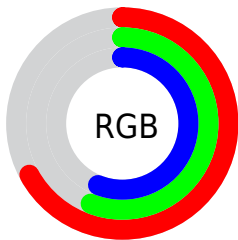
Format	Color
RYB	171, 144, 144
Decimal	11243664
CIELab	62.18, 10.12, 3.77
CIElCh	62, 10.796, 20.431
Yxy	30.6181, 0.3418, 0.3291
Android (android.graphics.Color)	4289433744 (0xFFAB9090)
YUV	152.0730, -3.9800, 16.5990
Hunter-Lab	55.3336, 5.7555, 5.9249

Details

The XYZ color **31.8019, 30.6181, 30.6193** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4149, 37.9945, 44.1009**, and the grayscale version is **29.8890, 31.4456, 34.2442**.

A 20% lighter version of the original color is **62.0657, 60.7963, 61.8897**, and **13.4943, 12.6651, 12.3231** is the 20% darker color. If you saturate the color by 10%, you get **28.1963, 25.3423, 23.4503**, and if you desaturate by 10%, it is **35.9994, 36.7603, 38.9631**.

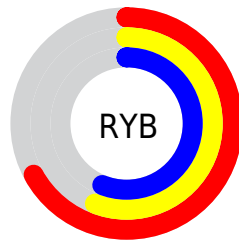
Distribution



Red (67%)

Green (56%)

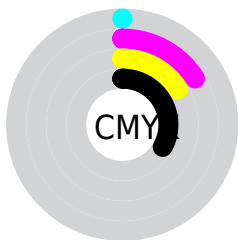
Blue (56%)



Red (67%)

Yellow (56%)

Blue (56%)

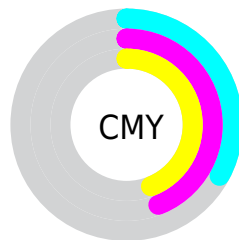


Cyan (0%)

Magenta (16%)

Yellow (16%)

Black (33%)



Cyan (33%)

Magenta (44%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8019, 30.6181, 30.6193 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 31.8019, 30.6181, 30.6193 by changing the saturation by 10% instead.

■ 31.8019, 30.6181,
30.6193

■ 31.8019, 30.6181,
30.6193

301.9772,
304.7750, 319.0773

■ 21.3650, 20.3082,
20.0531

■ 61.8677, 60.6383,
61.7127

■ 13.5051, 12.6193,
12.2492

■ 82.2273, 81.1174,
83.0770

■ 7.8566, 7.1669,
6.7890

106.6253,
105.7551, 108.8778

■ 4.0544, 3.5667,
3.2541

135.4269,
134.9356, 139.5336

■ 1.7329, 1.4343,
1.2258

168.9976,
169.0435, 175.4628

■ 0.4768, 0.2418,
0.0000

207.7026,

■ 0.0000, 0.0000,

208.4631, 217.0842

0.0000

251.9074,
253.5788, 264.8162

■ 31.8019, 30.6181,
30.6193

■ 31.8019, 30.6181,
30.6193

■ 28.1963, 25.3423,
23.4503

■ 35.9994, 36.7603,
38.9631

■ 25.1536, 20.8900,
17.4015

■ 40.8111, 43.8010,
48.5289

■ 22.6462, 17.2210,
12.4170

■ 46.2611, 51.7758,
59.3640

■ 20.6432, 14.2899,
8.4352

■ 52.3717, 60.7170,
71.5124

■ 19.1104, 12.0469,
5.3882

■ 59.1639, 70.6557,
85.0159

■ 18.0094, 10.4357,
3.1998

■ 66.6579, 81.6211,
99.9147

■ 17.2960, 9.3917,
1.7818

■ 70.6047, 87.3980,
107.7560

■ 16.9125, 8.8305,
1.0198

■ 16.7949, 8.6584,
0.7861

Harmonies

Analogous

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



31.9475, 30.6181, 34.6872



31.8019, 30.6181, 30.6193



30.9198, 30.6181, 27.5368

Triad

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



31.8019, 30.6181, 30.6193



26.9985, 30.6181, 28.4915



28.6391, 30.6181, 41.8764

Complementary

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



31.8019, 30.6181, 30.6193



33.4149, 37.9945, 44.1009

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.



27.3561, 30.6181, 39.9013



31.8019, 30.6181, 30.6193



26.4299, 30.6181, 32.0240

Square

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



31.8019, 30.6181, 30.6193



28.1362, 30.6181, 26.3812



26.5586, 30.6181, 36.2128



30.0888, 30.6181, 41.4212

Rectangle

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



31.8019, 30.6181, 30.6193



30.0484, 30.6181, 26.3460



26.5586, 30.6181, 36.2128



28.1748, 30.6181, 41.4689

Sweetspot

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



31.8027, 30.6195, 30.6199



65.0402, 66.6657, 70.9085



34.1189, 31.5451, 42.8189



14.3810, 14.6864, 15.5679



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.



31.8027, 30.6195, 30.6199



54.5473, 51.3119, 50.0484



33.9707, 34.9554, 31.3426



8.0053, 8.0155, 8.3386



12.6609, 6.5272, 0.5926



0.3522, 0.1816, 0.0165

Inverse Universe

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



33.4149, 37.9945, 44.1009



57.9971, 67.0932, 78.8954



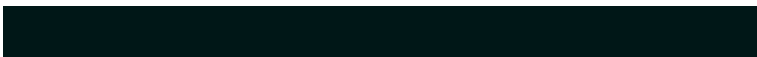
30.9944, 33.1534, 43.2940



8.2363, 9.0719, 10.2697



16.5167, 24.1672, 32.8387



0.4595, 0.6724, 0.9135

Previews

White Background



This preview shows how the XYZ color 31.8019, 30.6181, 30.6193 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 31.8019, 30.6181, 30.6193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

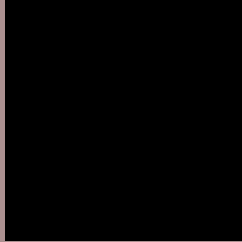
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8019, 30.6181, 30.6193

Background



This preview shows how black text looks on a background with the XYZ color 31.8019, 30.6181, 30.6193.



This preview shows how white text looks on a background with the XYZ color 31.8019, 30.6181, 30.6193.

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

31.8019, 30.6181, 30.6193

Protanopia

29.4992, 30.7893, 31.9919

Deuteranopia

31.0958, 30.4799, 30.6298



Tritanopia

32.6685, 30.7487, 34.7851

Trichromacy



Original Color

31.8019, 30.6181, 30.6193

Protanomaly

30.2754, 30.7287, 31.5297

Deuteranomaly

31.3079, 30.5892, 30.6398

Tritanomaly

32.3407, 30.6176, 33.0594

Monochromacy



Original Color

31.8019, 30.6181, 30.6193

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.4703, 31.0357, 32.8183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8019, 30.6181, 30.6193 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(171, 144, 144)` looks like.

```
.text, #text, p{  
    color:rgb(171, 144, 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(171, 144, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 144, 144) }
```

Border

The CSS property to change the border of an element to XYZ 31.8019, 30.6181, 30.6193 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(171, 144, 144) }
```


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

```
.border{ border-color:rgb(171, 144, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 144, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 144, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 144, 144);  
box-shadow:4px 4px 4px 4px rgb(171, 144,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8019, 30.6181, 30.6193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 144, 144) }
```

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

```
.background{ background-color: rgb(171,  
144, 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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