

Converting Colors

XYZ(30.8458, 31.1950, 31.6570)

Have a look what the booklet for
XYZ(30.8458, 31.1950, 31.6570)
contains.

XYZ(30.8360, 31.2516, 31.6011)	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(30.8360, 31.2516,
31.6011)**

Conversions

Conversions Part 1

Format	Color
Hex	A29592
RGB	162, 149, 146
RGB Percent	64%, 58%, 57%
CMY	0.3647, 0.4157, 0.4274
CMYK	0.00, 0.08, 0.10, 0.36
HSL	11°, 8%, 60%
HSV	11°, 10%, 64%
XYZ	30.8360, 31.2516, 31.6011
YIQ	152.5450, 8.7110, 1.8230

Conversions

Conversions Part 2

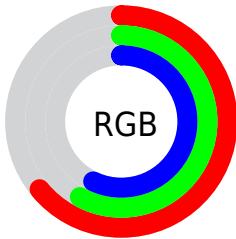
Format	Color
R_{YB}	162, 150, 146
Decimal	10655122
CIE Lab	62.72, 4.26, 3.31
CIE LCh	63, 5.391, 37.829
Yxy	31.2516, 0.3291, 0.3336
Android (android.graphics.Color)	4288845202 (0xFFA29592)
YUV	152.5450, -3.2267, 8.2920
Hunter-Lab	55.9031, 0.6296, 5.6166

Details

The XYZ color **30.8360, 31.2516, 31.6011** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.7736, 33.5152, 39.0297**, and the grayscale version is **30.0923, 31.6594, 34.4771**.

A 20% lighter version of the original color is **60.3965, 61.6337, 63.3568**, and **12.9094, 12.8949, 12.8749** is the 20% darker color. If you saturate the color by 10%, you get **27.6986, 26.8524, 24.7723**, and if you desaturate by 10%, it is **34.3890, 36.1955, 39.4502**.

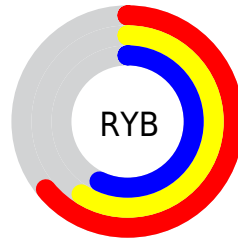
Distribution



Red (64%)

Green (58%)

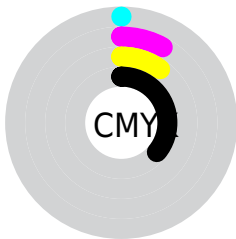
Blue (57%)



Red (64%)

Yellow (59%)

Blue (57%)

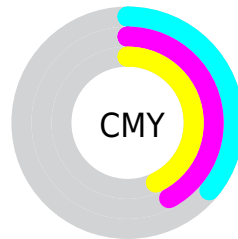


Cyan (0%)

Magenta (8%)

Yellow (10%)

Black (36%)



Cyan (36%)

Magenta (42%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8360, 31.2516, 31.6011 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 30.8360, 31.2516, 31.6011 by changing the saturation by 10% instead.

■ 30.8360, 31.2516,
31.6011

■ 30.8360, 31.2516,
31.6011

297.6225,
307.6958, 323.7346

■ 20.6252, 20.7905,
20.7947

■ 60.3594, 61.6360,
63.2758

■ 12.9612, 12.9710,
12.7842

■ 80.4027, 82.3280,
84.9813

■ 7.4787, 7.4086,
7.1512

104.4542,
107.1992, 111.1568

■ 3.8122, 3.7189,
3.4769

132.8793,
136.6339, 142.2209

■ 1.5964, 1.5176,
1.3430

166.0433,
171.0166, 178.5923

■ 0.3901, 0.3011,
0.0967

204.3116,

■ 0.0000, 0.0000,

210.7315, 220.6893

0.0000

248.0495,
256.1631, 268.9306

■ 30.8360, 31.2516,
31.6011

■ 30.8360, 31.2516,
31.6011

■ 27.6986, 26.8524,
24.7723

■ 34.3890, 36.1955,
39.4502

■ 24.9589, 22.9752,
18.9200

■ 38.3695, 41.6977,
48.3572

■ 22.6017, 19.6018,
13.9998

■ 42.7921, 47.7764,
58.3601

■ 20.6095, 16.7113,
9.9635

■ 47.6699, 54.4478,
69.4945

■ 18.9636, 14.2813,
6.7583

■ 53.0156, 61.7273,
81.7944

■ 17.6437, 12.2878,
4.3256

■ 58.8411, 69.6299,
95.2923

■ 16.6269, 10.7042,
2.5995

■ 64.4413, 77.8832,
106.2443

■ 15.8875, 9.5013,
1.5026

■ 68.4810, 85.9626,
107.5909

■ 15.3803, 8.6395,
0.8627

■ 68.7104, 86.4214,
107.6673

Harmonies

Analogous

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



31.1284, 31.2516, 33.4784



30.8360, 31.2516, 31.6011



30.2412, 31.2516, 30.4094

Triad

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



30.8360, 31.2516, 31.6011



28.4119, 31.2516, 32.5204



29.8970, 31.2516, 38.2045

Complementary

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



30.8360, 31.2516, 31.6011



30.7736, 33.5152, 39.0297

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.



29.1726, 31.2516, 37.9222



30.8360, 31.2516, 31.6011



28.3231, 31.2516, 34.5830

Square

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



30.8360, 31.2516, 31.6011



28.8439, 31.2516, 30.9246



28.5995, 31.2516, 36.5754



30.5805, 31.2516, 37.3316

Rectangle

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



30.8360, 31.2516, 31.6011



29.7574, 31.2516, 30.1347



28.5995, 31.2516, 36.5754



29.6501, 31.2516, 38.2422

Sweetspot

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



30.8369, 31.2530, 31.6018



60.2963, 62.7474, 66.8815



31.4433, 30.7451, 37.1086



13.4265, 13.9319, 14.7651



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



30.8369, 31.2530, 31.6018



54.5753, 54.7709, 54.2904



32.1346, 33.8484, 32.0343



7.1764, 7.2912, 7.4092



12.1372, 6.8484, 0.6822



0.2830, 0.1999, 0.0237

Inverse Universe

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



30.7736, 33.5152, 39.0297



54.4350, 59.7755, 70.7249



29.4534, 30.8747, 38.5897



7.1626, 7.7842, 9.0281



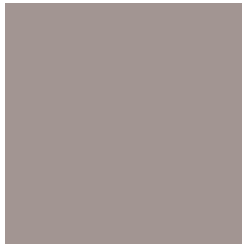
11.6244, 15.0283, 29.2179



0.2718, 0.3709, 0.6231

Previews

White Background



This preview shows how the XYZ color 30.8360, 31.2516, 31.6011 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 30.8360, 31.2516, 31.6011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

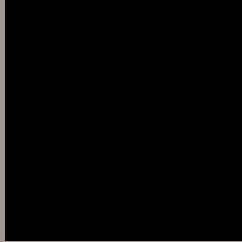
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8360, 31.2516, 31.6011

Background



This preview shows how black text looks on a background with the XYZ color 30.8360, 31.2516, 31.6011.



This preview shows how white text looks on a background with the XYZ color 30.8360, 31.2516,

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

30.8360, 31.2516, 31.6011

Protanopia

29.8506, 31.2084, 32.0543

Deuteranopia

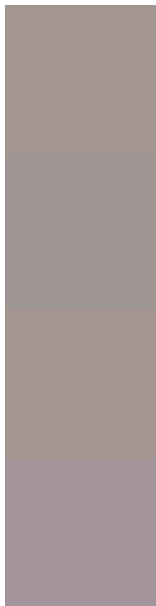
31.7705, 31.2676, 31.5549



Tritanopia

32.0016, 31.2632, 37.1486

Trichromacy



Original Color

30.8360, 31.2516, 31.6011

Protanomaly

30.2734, 31.1884, 32.0281

Deuteranomaly

31.5041, 31.3621, 31.5872

Tritanomaly

31.5269, 31.2994, 34.9516

Monochromacy



Original Color

30.8360, 31.2516, 31.6011

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.4436, 31.7264, 33.3734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8360, 31.2516, 31.6011 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(162, 149, 146)` looks like.

```
.text, #text, p{  
    color:rgb(162, 149, 146)  
}
```

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(162, 149, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 149, 146) }
```

Border

The CSS property to change the border of an element to XYZ 30.8360, 31.2516, 31.6011 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(162, 149, 146) }
```


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

```
.border{ border-color:rgb(162, 149, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 149, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 149, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 149, 146);  
box-shadow:4px 4px 4px 4px rgb(162, 149,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8360, 31.2516, 31.6011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 149, 146) }
```

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

```
.background{ background-color: rgb(162,  
149, 146) }
```

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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