

Converting Colors

XYZ(31.7058, 31.2432, 31.3302)

Have a look what the booklet for
XYZ(31.7058, 31.2432, 31.3302)
contains.

XYZ(31.6930, 31.2366, 31.1469)	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(31.6930, 31.2366,
31.1469)**

Conversions

Conversions Part 1

Format	Color
Hex	A89391
RGB	168, 147, 145
RGB Percent	66%, 58%, 57%
CMY	0.3412, 0.4235, 0.4314
CMYK	0.00, 0.12, 0.14, 0.34
HSL	5°, 12%, 61%
HSV	5°, 14%, 66%
XYZ	31.6930, 31.2366, 31.1469
YIQ	153.0510, 13.1580, 3.8300

Conversions

Conversions Part 2

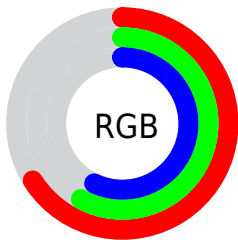
Format	Color
R_{YB}	168, 147, 145
Decimal	11047825
CIE _{Lab}	62.71, 7.47, 3.92
CIE _{LCh}	63, 8.433, 27.713
Yxy	31.2366, 0.3369, 0.3320
Android (android.graphics.Color)	4289237905 (0xFFA89391)
YUV	153.0510, -3.9691, 13.1103
Hunter-Lab	55.8897, 3.4138, 6.0809

Details

The XYZ color **31.6930, 31.2366, 31.1469** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.3809, 36.1186, 42.3110**, and the grayscale version is **30.3139, 31.8926, 34.7310**.

A 20% lighter version of the original color is **61.6269, 61.5848, 62.6718**, and **13.4509, 12.9050, 12.6084** is the 20% darker color. If you saturate the color by 10%, you get **28.2643, 26.3011, 24.0784**, and if you desaturate by 10%, it is **35.6330, 36.8874, 39.3317**.

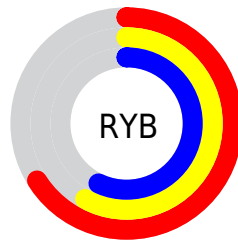
Distribution



Red (66%)

Green (58%)

Blue (57%)



Red (66%)

Yellow (58%)

Blue (57%)

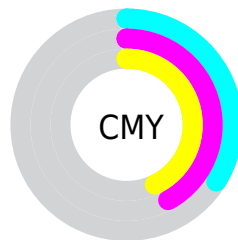


Cyan (0%)

Magenta (12%)

Yellow (14%)

Black (34%)



Cyan (34%)

Magenta (42%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6930, 31.2366, 31.1469 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 31.6930, 31.2366, 31.1469 by changing the saturation by 10% instead.

■ 31.6930, 31.2366,
31.1469

■ 31.6930, 31.2366,
31.1469

301.4886,
307.6269, 321.5866

■ 21.2815, 20.7791,
20.4513

■ 61.6979, 61.6124,
62.5536

■ 13.4436, 12.9626,
12.5362

■ 82.0221, 82.2994,
84.1017

■ 7.8138, 7.4028,
6.9830

106.3813,
107.1651, 110.1045

■ 4.0268, 3.7153,
3.3732

135.1407,
136.5938, 140.9805

■ 1.7173, 1.5156,
1.2882

168.6658,
170.9700, 177.1481

■ 0.4671, 0.2997,
0.0521

207.3219,

■ 0.0000, 0.0000,

210.6779, 219.0260

0.0000

251.4744,
256.1021, 267.0327

■ 31.6930, 31.2366,
31.1469

■ 31.6930, 31.2366,
31.1469

■ 28.2643, 26.3011,
24.0784

■ 35.6330, 36.8874,
39.3317

■ 25.3235, 22.0485,
18.0760

■ 40.1014, 43.2762,
48.6762

■ 22.8491, 18.4500,
13.0885

■ 45.1176, 50.4297,
59.2239

■ 20.8170, 15.4730,
9.0597

■ 50.6994, 58.3720,
71.0153

■ 19.2011, 13.0823,
5.9281

■ 56.8637, 67.1262,
84.0893

■ 17.9724, 11.2390,
3.6248

■ 63.6266, 76.7145,
98.4829

■ 17.0980, 9.8997,
2.0710

■ 69.7555, 86.6587,
107.6580

■ 16.5397, 9.0142,
1.1728

■ 69.9586, 87.0649,
107.7257

■ 16.3143, 8.6562,
0.8110

Harmonies

Analogous

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



31.9572, 31.2366, 34.2650



31.6930, 31.2366, 31.1469



30.8879, 31.2366, 28.9275

Triad

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



31.6930, 31.2366, 31.1469



27.8568, 31.2366, 30.7355



29.6012, 31.2366, 40.7488

Complementary

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



31.6930, 31.2366, 31.1469



32.3809, 36.1186, 42.3110

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.



28.5224, 31.2366, 39.6585



31.6930, 31.2366, 31.1469



27.5316, 31.2366, 33.7590

Square

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



31.6930, 31.2366, 31.1469



28.6717, 31.2366, 28.7010



27.7722, 31.2366, 37.0462



30.7311, 31.2366, 39.9394

Rectangle

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



31.6930, 31.2366, 31.1469



30.1631, 31.2366, 28.1842



27.7722, 31.2366, 37.0462



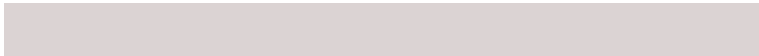
29.2208, 31.2366, 40.5909

Sweetspot

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



31.6939, 31.2380, 31.1476



64.3694, 66.5199, 70.7652



33.1648, 31.3323, 40.4166



13.9096, 14.3265, 15.1735



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.6939, 31.2380, 31.1476



55.8050, 54.2307, 52.9903



33.5577, 34.9657, 31.7688



7.5817, 7.6435, 7.8650



12.3371, 6.5714, 0.6182



0.3160, 0.1915, 0.0203

Inverse Universe

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



32.3809, 36.1186, 42.3110



57.2622, 64.5837, 76.6730



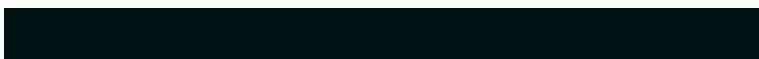
30.3974, 32.1515, 41.6499



7.6909, 8.4186, 9.6380



14.0040, 19.4682, 30.9951



0.3564, 0.5050, 0.7593

Previews

White Background



This preview shows how the XYZ color 31.6930, 31.2366, 31.1469 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 31.6930, 31.2366, 31.1469 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 31.6930, 31.2366, 31.1469

Background



This preview shows how black text looks on a background with the XYZ color 31.6930, 31.2366, 31.1469.



This preview shows how white text looks on a background with the XYZ color 31.6930, 31.2366,

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

31.6930, 31.2366, 31.1469

Protanopia

29.8506, 31.2084, 32.0543

Deuteranopia

31.9067, 31.3468, 31.1569



Tritanopia

32.7888, 31.2312, 36.1984

Trichromacy



Original Color

31.6930, 31.2366, 31.1469

Protanomaly

30.5919, 31.3616, 31.6352

Deuteranomaly

31.9067, 31.3468, 31.1569

Tritanomaly

32.3908, 31.2927, 34.4699

Monochromacy



Original Color

31.6930, 31.2366, 31.1469

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6722, 31.6043, 33.3378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6930, 31.2366, 31.1469 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(168, 147, 145) looks like.

```
.text, #text, p{  
    color:rgb(168, 147, 145)  
}
```

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(168, 147, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 147, 145) }
```

Border

The CSS property to change the border of an element to XYZ 31.6930, 31.2366, 31.1469 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(168, 147, 145) }
```


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

```
.border{ border-color:rgb(168, 147, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 147, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 147, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 147, 145);  
box-shadow:4px 4px 4px 4px rgb(168, 147,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6930, 31.2366, 31.1469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 147, 145) }
```

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

```
.background{ background-color: rgb(168,  
147, 145) }
```

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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