

Converting Colors

XYZ(30.6879, 30.5902, 31.6858)

Have a look what the booklet for
XYZ(30.6879, 30.5902, 31.6858)
contains.

XYZ(30.8044, 30.7606, 31.9176)	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(30.8044, 30.7606,
31.9176)**

Conversions

Conversions Part 1

Format	Color
Hex	A39393
RGB	163, 147, 147
RGB Percent	64%, 58%, 58%
CMY	0.3608, 0.4235, 0.4235
CMYK	0.00, 0.10, 0.10, 0.36
HSL	0°, 8%, 61%
HSV	0°, 10%, 64%
XYZ	30.8044, 30.7606, 31.9176
YIQ	151.7840, 9.5360, 3.3920

Conversions

Conversions Part 2

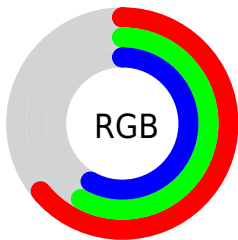
Format	Color
R _Y B	163, 147, 147
Decimal	10720147
CIE Lab	62.31, 5.93, 2.15
CIE LCh	62, 6.305, 19.947
Yxy	30.7606, 0.3295, 0.3291
Android (android.graphics.Color)	4288910227 (0xFFA39393)
YUV	151.7840, -2.3585, 9.8364
Hunter-Lab	55.4622, 2.0821, 4.7032

Details

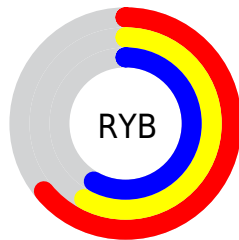
The XYZ color **30.8044, 30.7606, 31.9176** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.7404, 35.0409, 39.7412**, and the grayscale version is **29.7596, 31.3094, 34.0960**.

A 20% lighter version of the original color is **60.3427, 60.8958, 63.8320**, and **12.8961, 12.6083, 13.0632** is the 20% darker color. If you saturate the color by 10%, you get **27.2579, 25.5713, 24.8658**, and if you desaturate by 10%, it is **34.8929, 36.7432, 40.0450**.

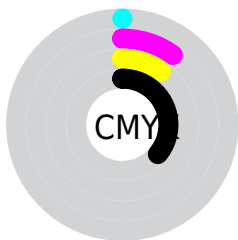
Distribution



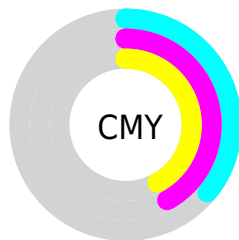
- Red (64%)
- Green (58%)
- Blue (58%)



- Red (64%)
- Yellow (58%)
- Blue (58%)



- Cyan (0%)
- Magenta (10%)
- Yellow (10%)
- Black (36%)



- Cyan (36%)
- Magenta (42%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8044, 30.7606, 31.9176 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 30.8044, 30.7606, 31.9176 by changing the saturation by 10% instead.

■ 30.8044, 30.7606,
31.9176

■ 30.8044, 30.7606,
31.9176

297.4792,
305.4339, 325.2249

■ 20.6010, 20.4166,
21.0343

■ 60.3099, 60.8630,
63.7783

■ 12.9435, 12.6982,
12.9576

■ 80.3428, 81.3901,
85.5927

■ 7.4664, 7.2211,
7.2689

104.3829,
106.0805, 111.8880

■ 3.8043, 3.6008,
3.5499

132.7956,
135.3184, 143.0825

■ 1.5921, 1.4528,
1.3818

165.9462,
169.4883, 179.5950

■ 0.3872, 0.2552,
0.1275

204.2001,

■ 0.0000, 0.0000,

208.9746, 221.8438

0.0000

247.9226,
254.1617, 270.2476

■ 30.8044, 30.7606,
31.9176

■ 30.8044, 30.7606,
31.9176

■ 27.2579, 25.5713,
24.8658

■ 34.8929, 36.7432,
40.0450

■ 24.2282, 21.1381,
18.8426

■ 39.5422, 43.5460,
49.2884

■ 21.6921, 17.4270,
13.8007

■ 44.7731, 51.1999,
59.6884

■ 19.6233, 14.3998,
9.6882

■ 50.6048, 59.7329,
71.2830

■ 17.9933, 12.0147,
6.4482

■ 57.0555, 69.1717,
84.1085

■ 16.7706, 10.2254,
4.0178

■ 64.1428, 79.5418,
98.1997

■ 15.9193, 8.9795,
2.3257

■ 68.9143, 86.5266,
107.6769

■ 15.3972, 8.2153,
1.2883

■ 15.1096, 7.7945,
0.7168

Harmonies

Analogous

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



30.8802, 30.7606, 34.3189



30.8044, 30.7606, 31.9176



30.3041, 30.7606, 30.0281

Triad

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



30.8044, 30.7606, 31.9176



28.0007, 30.7606, 30.5633



28.9520, 30.7606, 38.3292

Complementary

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



30.8044, 30.7606, 31.9176



31.7404, 35.0409, 39.7412

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.



28.1953, 30.7606, 37.2148



30.8044, 30.7606, 31.9176



27.6532, 30.7606, 32.6806

Square

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



30.8044, 30.7606, 31.9176



28.6816, 30.7606, 29.2729



27.7237, 30.7606, 35.1195



29.7996, 30.7606, 38.1005

Rectangle

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



30.8044, 30.7606, 31.9176



29.8024, 30.7606, 29.2756



27.7237, 30.7606, 35.1195



28.6788, 30.7606, 38.0972

Sweetspot

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



30.8053, 30.7620, 31.9183



60.0099, 62.1746, 66.7860



32.1491, 31.2987, 38.9973



13.3464, 13.7717, 14.7384



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.



30.8053, 30.7620, 31.9183



53.5534, 52.7272, 53.9498



32.0923, 33.3361, 32.3473



7.0739, 7.0862, 7.3750



11.7391, 6.0522, 0.5495



0.2467, 0.1272, 0.0116

Inverse Universe

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



31.7404, 35.0409, 39.7412



55.6054, 62.1162, 71.1150



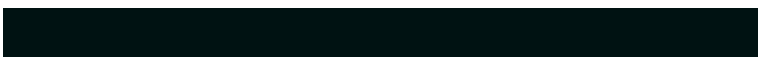
30.3652, 32.2904, 39.2828



7.2760, 8.0110, 9.0659



15.3124, 22.4042, 30.4472



0.3218, 0.4708, 0.6398

Previews

White Background



This preview shows how the XYZ color 30.8044, 30.7606, 31.9176 looks on a white background.

Color Contrast Check

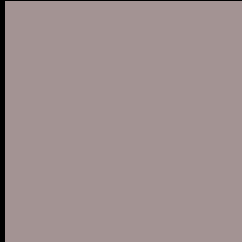
Large Text (above 18pt) WCAG AA × Fail

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 30.8044, 30.7606, 31.9176 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 30.8044, 30.7606, 31.9176

Background



This preview shows how black text looks on a background with the XYZ color 30.8044, 30.7606, 31.9176.



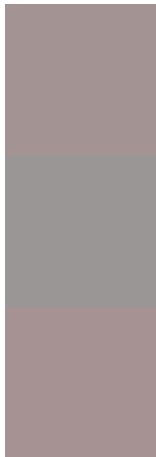
This preview shows how white text looks on a background with the XYZ color 30.8044, 30.7606,

31.9176.

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

30.8044, 30.7606, 31.9176

Protanopia

29.6576, 30.8526, 32.8258

Deuteranopia

31.2712, 30.7713, 31.8951



Tritanopia

31.5210, 30.5776, 36.1390

Trichromacy



Original Color

30.8044, 30.7606, 31.9176

Protanomaly

29.9974, 30.8011, 32.3812

Deuteranomaly

31.0624, 30.6637, 31.8853

Tritanomaly

31.3385, 30.7502, 34.4207

Monochromacy



Original Color

30.8044, 30.7606, 31.9176

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.1217, 31.0826, 33.2661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8044, 30.7606, 31.9176 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(163, 147, 147)` looks like.

```
.text, #text, p{  
    color:rgb(163, 147, 147)  
}
```

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(163, 147, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 147, 147) }
```

Border

The CSS property to change the border of an element to XYZ 30.8044, 30.7606, 31.9176 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(163, 147, 147) }
```


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

```
.border{ border-color:rgb(163, 147, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 147, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 147, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 147, 147);  
box-shadow:4px 4px 4px 4px rgb(163, 147,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8044, 30.7606, 31.9176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 147, 147) }
```

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

```
.background{ background-color: rgb(163,  
147, 147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor