

Converting Colors

XYZ(31.3302, 35.8929, 30.4019)

Have a look what the booklet for
XYZ(31.3302, 35.8929, 30.4019)
contains.

XYZ(31.3928, 35.8709, 30.4685)	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(31.3928, 35.8709,
30.4685)**

Conversions

Conversions Part 1

Format	Color
Hex	98A68D
RGB	152, 166, 141
RGB Percent	60%, 65%, 55%
CMY	0.4039, 0.3490, 0.4471
CMYK	0.08, 0.00, 0.15, 0.35
HSL	94°, 12%, 60%
HSV	94°, 15%, 65%
XYZ	31.3928, 35.8709, 30.4685
YIQ	158.9640, -0.3190, -10.7430

Conversions

Conversions Part 2

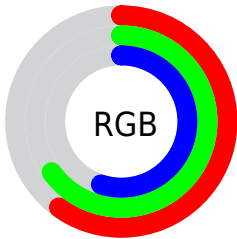
Format	Color
RYB	141, 166, 155
Decimal	10004109
CIELab	66.42, -9.64, 11.29
CIElCh	66, 14.847, 130.500
Yxy	35.8709, 0.3212, 0.3670
Android (android.graphics.Color)	4288194189 (0xFF98A68D)
YUV	158.9640, -8.8563, -6.1074
Hunter-Lab	59.8923, -11.2501, 11.7625

Details

The XYZ color **31.3928, 35.8709, 30.4685** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.9268, 28.7725, 40.0546**, and the grayscale version is **32.9783, 34.6957, 37.7837**.

A 20% lighter version of the original color is **61.1604, 68.7748, 61.6811**, and **13.2725, 15.5567, 12.2007** is the 20% darker color. If you saturate the color by 10%, you get **28.5768, 34.5524, 24.3651**, and if you desaturate by 10%, it is **34.5323, 37.3369, 37.5550**.

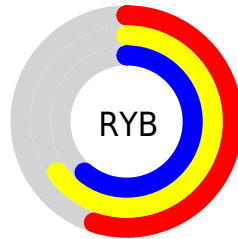
Distribution



Red (60%)

Green (65%)

Blue (55%)



Red (55%)

Yellow (65%)

Blue (61%)

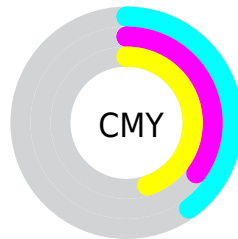


Cyan (8%)

Magenta (0%)

Yellow (15%)

Black (35%)



Cyan (40%)

Magenta (35%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3928, 35.8709, 30.4685 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 31.3928, 35.8709, 30.4685 by changing the saturation by 10% instead.

■ 31.3928, 35.8709,
30.4685

■ 31.3928, 35.8709,
30.4685

300.1386,
328.3959, 318.3572

■ 21.0514, 24.3345,
19.9394

■ 61.2296, 68.8328,
61.4720

■ 13.2743, 15.5819,
12.1674

■ 81.4558, 91.0270,
82.7836

■ 7.6960, 9.2288,
6.7338

■ 105.7076,
117.5427, 108.5263

■ 3.9512, 4.8907,
3.2203

134.3503,
148.7641, 139.1188

■ 1.6746, 2.1833,
1.2082

167.7495,
185.0758, 174.9796

■ 0.4403, 0.7109,
0.0000

206.2703,

■ 0.0000, 0.0000,

226.8621, 216.5272

0.0000

250.2782,
274.5073, 264.1803

■ 31.3928, 35.8709,
30.4685

■ 31.3928, 35.8709,
30.4685

■ 28.5768, 34.5524,
24.3651

■ 34.5323, 37.3369,
37.5550

■ 26.0702, 33.3720,
19.1992

■ 38.0032, 38.9503,
45.6630

■ 23.8618, 32.3258,
14.9247

■ 41.8167, 40.7172,
54.8316

■ 21.9387, 31.4084,
11.4912

■ 45.9823, 42.6418,
65.0972

■ 20.2868, 30.6138,
8.8427

■ 50.5094, 44.7280,
76.4946

■ 18.8908, 29.9353,
6.9170

■ 55.4071, 46.9799,
89.0568

■ 17.7331, 29.3655,
5.6418

■ 60.3268, 49.2583,
100.9360

■ 16.7928, 28.8956,
4.9278

■ 63.1703, 50.7241,
101.0690

■ 16.3868, 28.6915,
4.6743

■ 66.1720, 52.2716,
101.2095

Harmonies

Analogous

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



33.3212, 35.8709, 28.2146



31.3928, 35.8709, 30.4685



30.2215, 35.8709, 35.1118

Triad

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



31.3928, 35.8709, 30.4685



32.6872, 35.8709, 51.7708



38.4722, 35.8709, 36.8686

Complementary

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



31.3928, 35.8709, 30.4685



29.9268, 28.7725, 40.0546

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.



38.2844, 35.8709, 43.2879



31.3928, 35.8709, 30.4685



34.8791, 35.8709, 52.3730

Square

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



31.3928, 35.8709, 30.4685



30.9461, 35.8709, 47.5595



36.9463, 35.8709, 49.1252



37.4490, 35.8709, 31.6341

Rectangle

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



31.3928, 35.8709, 30.4685



29.9960, 35.8709, 39.1643



36.9463, 35.8709, 49.1252



38.5497, 35.8709, 38.9505

Sweetspot

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



31.3938, 35.8725, 30.4693



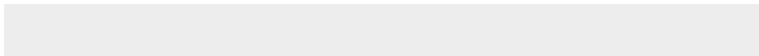
62.6508, 67.7506, 68.1119



32.2148, 33.3910, 29.9470



13.9297, 15.1192, 15.0348



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.



31.3938, 35.8725, 30.4693



55.2373, 64.2893, 51.4779



29.5231, 34.8973, 30.8701



7.7382, 8.5631, 8.0343



12.7585, 22.2745, 3.6270



0.3696, 0.5725, 0.0910

Inverse Universe

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



29.9268, 28.7725, 40.0546



52.0687, 48.9547, 72.1802



32.0209, 29.8652, 39.5568



7.5186, 7.4999, 9.4697



8.8901, 3.9664, 28.2725



0.2736, 0.1260, 0.6906

Previews

White Background



This preview shows how the XYZ color 31.3928, 35.8709, 30.4685 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 31.3928, 35.8709, 30.4685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

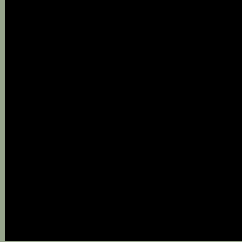
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3928, 35.8709, 30.4685

Background



This preview shows how black text looks on a background with the XYZ color 31.3928, 35.8709, 30.4685.



This preview shows how white text looks on a background with the XYZ color 31.3928, 35.8709,

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

31.3928, 35.8709, 30.4685

Protanopia

33.6945, 35.7597, 29.1712

Deuteranopia

36.2077, 35.4931, 30.9291



Tritanopia

34.2895, 35.7138, 45.1306

Trichromacy



Original Color

31.3928, 35.8709, 30.4685

Protanomaly

32.8617, 35.8450, 29.6129

Deuteranomaly

34.2939, 35.5199, 30.6397

Tritanomaly

33.1363, 35.7716, 39.3406

Monochromacy



Original Color

31.3928, 35.8709, 30.4685

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.2981, 35.1756, 34.7930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3928, 35.8709, 30.4685 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(152, 166, 141)` looks like.

```
.text, #text, p{  
    color:rgb(152, 166, 141)  
}
```

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(152, 166, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 166, 141) }
```

Border

The CSS property to change the border of an element to XYZ 31.3928, 35.8709, 30.4685 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(152, 166, 141) }
```


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

```
.border{ border-color:rgb(152, 166, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 166, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 166, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 166, 141);  
box-shadow:4px 4px 4px 4px rgb(152, 166,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3928, 35.8709, 30.4685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 166, 141) }
```

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

```
.background{ background-color: rgb(152,  
166, 141) }
```

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