

Converting Colors

XYZ(31.0589, 35.7158, 29.6830)

Have a look what the booklet for
XYZ(31.0589, 35.7158, 29.6830)
contains.

XYZ(31.0589, 35.7158, 29.6830)	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(31.0589, 35.7158,
29.6830)**

Conversions

Conversions Part 1

Format	Color
Hex	97A68B
RGB	151, 166, 139
RGB Percent	59%, 65%, 55%
CMY	0.4078, 0.3490, 0.4549
CMYK	0.09, 0.00, 0.16, 0.35
HSL	93°, 13%, 60%
HSV	93°, 16%, 65%
XYZ	31.0589, 35.7158, 29.6830
YIQ	158.4370, -0.2730, -11.5770

Conversions

Conversions Part 2

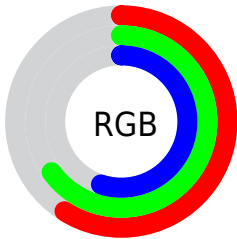
Format	Color
RYB	139, 166, 154
Decimal	9938571
CIELab	66.30, -10.36, 12.22
CIELCh	66, 16.019, 130.292
Yxy	35.7158, 0.3220, 0.3703
Android (android.graphics.Color)	4288128651 (0xFF97A68B)
YUV	158.4370, -9.5824, -6.5222
Hunter-Lab	59.7627, -11.8176, 12.3857

Details

The XYZ color **31.0589, 35.7158, 29.6830** is a light color, and the websafe version is hex **999966**. A complement of this color would be **29.4434, 28.0895, 39.9482**, and the grayscale version is **32.7410, 34.4461, 37.5118**.

A 20% lighter version of the original color is **60.6589, 68.5423, 60.4850**, and **13.0760, 15.4652, 11.7471** is the 20% darker color. If you saturate the color by 10%, you get **28.2918, 34.4200, 23.6955**, and if you desaturate by 10%, it is **34.1461, 37.1574, 36.6484**.

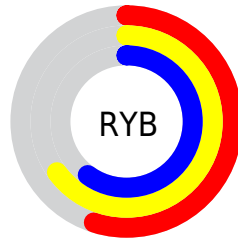
Distribution



Red (59%)

Green (65%)

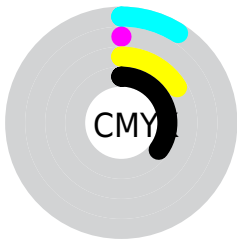
Blue (55%)



Red (55%)

Yellow (65%)

Blue (60%)

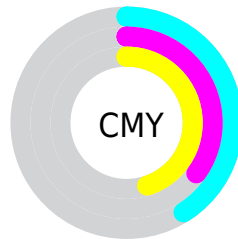


Cyan (9%)

Magenta (0%)

Yellow (16%)

Black (35%)



Cyan (41%)

Magenta (35%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0589, 35.7158, 29.6830 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 31.0589, 35.7158, 29.6830 by changing the saturation by 10% instead.

■ 31.0589, 35.7158,
29.6830

■ 31.0589, 35.7158,
29.6830

298.6316,
327.7167, 314.5852

■ 20.7957, 24.2148,
19.3481

■ 60.7080, 68.5932,
60.2156

■ 13.0864, 15.4930,
11.7427

■ 80.8247, 90.7383,
81.2503

■ 7.5655, 9.1661,
6.4483

■ 104.9565,
117.2003, 106.6887

■ 3.8676, 4.8497,
3.0464

133.4690,
148.3636, 136.9494

■ 1.6275, 2.1593,
1.1184

166.7274,
184.6124, 172.4509

■ 0.4102, 0.6977,
0.0000

205.0970,

■ 0.0000, 0.0000,

226.3313, 213.6116

0.0000

248.9433,
273.9046, 260.8502

■ 31.0589, 35.7158,
29.6830

■ 31.0589, 35.7158,
29.6830

■ 28.2918, 34.4200,
23.6955

■ 34.1461, 37.1574,
36.6484

■ 25.8306, 33.2606,
18.6399

■ 37.5612, 38.7448,
44.6305

■ 23.6642, 32.2338,
14.4699

■ 41.3154, 40.4840,
53.6685

■ 21.7796, 31.3341,
11.1342

■ 45.4183, 42.3792,
63.7992

■ 20.1627, 30.5555,
8.5764

■ 49.8792, 44.4343,
75.0574

■ 18.7979, 29.8913,
6.7332

■ 54.7071, 46.6533,
87.4764

■ 17.6676, 29.3341,
5.5309

■ 59.8777, 49.0267,
100.9149

■ 16.7486, 28.8740,
4.8685

■ 62.6726, 50.4676,
101.0457

■ 16.4431, 28.7205,
4.6770

■ 65.6229, 51.9885,
101.1838

Harmonies

Analogous

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



33.1318, 35.7158, 27.3162



31.0589, 35.7158, 29.6830



29.7989, 35.7158, 34.6141

Triad

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



31.0589, 35.7158, 29.6830



32.4195, 35.7158, 52.6515



38.6754, 35.7158, 36.5824

Complementary

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



31.0589, 35.7158, 29.6830



29.4434, 28.0895, 39.9482

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.



38.4627, 35.7158, 43.5009



31.0589, 35.7158, 29.6830



34.7751, 35.7158, 53.3393

Square

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



31.0589, 35.7158, 29.6830



30.5586, 35.7158, 48.0423



37.0084, 35.7158, 49.8238



37.5766, 35.7158, 30.9781

Rectangle

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



31.0589, 35.7158, 29.6830



29.5527, 35.7158, 38.9557



37.0084, 35.7158, 49.8238



38.7562, 35.7158, 38.8213

Sweetspot

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



31.0599, 35.7173, 29.6838



62.6646, 67.7577, 68.1126



31.9183, 33.0342, 29.1206



13.9332, 15.1210, 15.0349



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.



31.0599, 35.7173, 29.6838



54.2367, 63.8229, 49.1989



29.0442, 34.6668, 30.1077



7.7413, 8.5648, 8.0344



12.8024, 22.2971, 3.6290



0.3707, 0.5730, 0.0911

Inverse Universe

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



29.4434, 28.0895, 39.9482



50.6658, 46.9736, 71.8717



31.7196, 29.2771, 39.4115



7.5154, 7.4983, 9.4696



8.8325, 3.9367, 28.2698



0.2723, 0.1254, 0.6905

Previews

White Background



This preview shows how the XYZ color 31.0589, 35.7158, 29.6830 looks on a white background.

Color Contrast Check

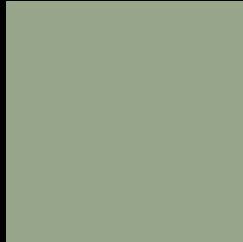
Large Text (above 18pt) WCAG AA × Fail

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 31.0589, 35.7158, 29.6830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

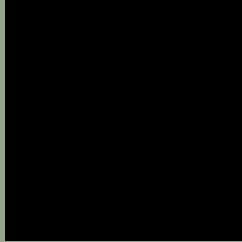
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0589, 35.7158, 29.6830

Background



This preview shows how black text looks on a background with the XYZ color 31.0589, 35.7158, 29.6830.



This preview shows how white text looks on a background with the XYZ color 31.0589, 35.7158,

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

31.0589, 35.7158, 29.6830

Protanopia

33.5510, 35.7023, 28.4155

Deuteranopia

36.2962, 35.5561, 30.1493



Tritanopia

34.0952, 35.6137, 45.1215

Trichromacy



Original Color

31.0589, 35.7158, 29.6830

Protanomaly

32.5128, 35.6819, 28.8406

Deuteranomaly

34.1450, 35.4604, 29.8558

Tritanomaly

32.8566, 35.6376, 38.8652

Monochromacy



Original Color

31.0589, 35.7158, 29.6830

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.8484, 34.6927, 34.2959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0589, 35.7158, 29.6830 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(151, 166, 139)` looks like.

```
.text, #text, p{  
    color:rgb(151, 166, 139)  
}
```

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(151, 166, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 166, 139) }
```

Border

The CSS property to change the border of an element to XYZ 31.0589, 35.7158, 29.6830 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(151, 166, 139) }
```


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

```
.border{ border-color:rgb(151, 166, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 166, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 166, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 166, 139);  
box-shadow:4px 4px 4px 4px rgb(151, 166,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0589, 35.7158, 29.6830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 166, 139) }
```

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

```
.background{ background-color: rgb(151,  
166, 139) }
```

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