

Converting Colors

XYZ(31.1464, 27.2715, 58.8437)

Have a look what the booklet for
XYZ(31.1464, 27.2715, 58.8437)
contains.

XYZ(31.1429, 27.2880, 58.8840)	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(31.1429, 27.2880,
58.8840)**

Conversions

Conversions Part 1

Format	Color
Hex	9485C9
RGB	148, 133, 201
RGB Percent	58%, 52%, 79%
CMY	0.4196, 0.4784, 0.2118
CMYK	0.26, 0.34, 0.00, 0.21
HSL	253°, 39%, 65%
HSV	253°, 34%, 79%
XYZ	31.1429, 27.2880, 58.8840
YIQ	145.2370, -12.8880, 24.3280

Conversions

Conversions Part 2

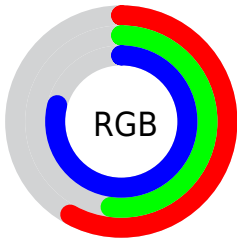
Format	Color
R_{YB}	148, 133, 201
Decimal	9733577
CIE Lab	59.24, 20.39, -33.22
CIE LCh	59, 38.981, 301.542
Yxy	27.2880, 0.2655, 0.2326
Android (android.graphics.Color)	4287923657 (0xFF9485C9)
YUV	145.2370, 27.4912, 2.4232
Hunter-Lab	52.2379, 15.0007, -30.2668

Details

The XYZ color **31.1429, 27.2880, 58.8840** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.3706, 53.9064, 30.2050**, and the grayscale version is **26.9062, 28.3074, 30.8268**.

A 20% lighter version of the original color is **60.2375, 55.0343, 102.0556**, and **13.1836, 10.7799, 28.9896** is the 20% darker color. If you saturate the color by 10%, you get **26.0054, 20.9384, 57.9296**, and if you desaturate by 10%, it is **37.1924, 34.8906, 60.0331**.

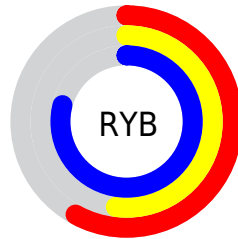
Distribution



Red (58%)

Green (52%)

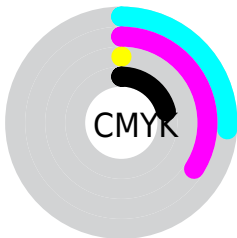
Blue (79%)



Red (58%)

Yellow (52%)

Blue (79%)

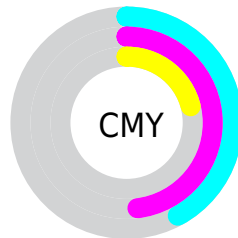


Cyan (26%)

Magenta (34%)

Yellow (0%)

Black (21%)



Cyan (42%)

Magenta (48%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1429, 27.2880, 58.8840 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 31.1429, 27.2880, 58.8840 by changing the saturation by 10% instead.

■ 31.1429, 27.2880,
58.8840

■ 31.1429, 27.2880,
58.8840

299.0113,
289.0489, 438.1618

■ 20.8600, 17.7896,
42.1003

■ 60.8393, 55.3457,
104.7365

■ 13.1336, 10.7991,
28.8537

■ 80.9835, 74.6738,
134.6425

■ 7.5983, 5.9319,
18.7256

■ 105.1456, 98.0472,
169.7596

■ 3.8886, 2.8037,
11.2973

133.6909,
125.8505, 210.5064

■ 1.6393, 1.0301,
6.1505

166.9848,
158.4678, 257.3015

■ 0.4178, 0.0000,
2.8666

205.3926,

■ 0.0000, 0.0000,

196.2838, 310.5634

1.0269

249.2796,
239.6827, 370.7107

■ 0.0000, 0.0000,
0.0000

■ 31.1429, 27.2880,
58.8840

■ 31.1429, 27.2880,
58.8840

■ 26.0054, 20.9384,
57.9296

■ 37.1924, 34.8906,
60.0331

■ 21.7317, 15.7703,
57.1574

■ 44.1932, 43.8058,
61.3849

■ 18.2731, 11.7101,
56.5560

■ 52.1857, 54.0934,
62.9494

■ 15.5748, 8.6744,
56.1122

■ 61.2072, 65.8084,
64.7351

■ 13.5750, 6.5673,
55.8109

■ 71.2930, 79.0029,
66.7503

■ 12.2007, 5.2743,
55.6338

■ 82.4765, 93.7263,
69.0028

■ 11.5960, 4.7601,
55.5664

■ 87.5427, 96.9971,
69.3671

Harmonies

Analogous

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



26.1889, 27.2880, 65.3344



31.1429, 27.2880, 58.8840



35.0581, 27.2880, 44.3898

Triad

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



31.1429, 27.2880, 58.8840



30.6531, 27.2880, 11.8372



17.6658, 27.2880, 30.4386

Complementary

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



31.1429, 27.2880, 58.8840



45.3706, 53.9064, 30.2050

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.



18.5524, 27.2880, 18.6892



31.1429, 27.2880, 58.8840



25.6856, 27.2880, 10.1747

Square

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



31.1429, 27.2880, 58.8840



34.7514, 27.2880, 17.7876



21.3452, 27.2880, 12.2317



18.7545, 27.2880, 46.0414

Rectangle

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



31.1429, 27.2880, 58.8840



36.3304, 27.2880, 33.8282



21.3452, 27.2880, 12.2317



17.7420, 27.2880, 25.9440

Sweetspot

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



31.1438, 27.2891, 58.8846



80.5101, 81.2192, 106.0413



37.8314, 44.4346, 61.8416



16.8258, 16.8619, 22.6178



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.1438, 27.2891, 58.8846



46.3755, 38.1194, 99.5213



38.1594, 30.9057, 59.2130



10.2719, 10.3984, 13.3832



7.3564, 3.0266, 34.9408



0.4125, 0.1764, 1.6574

Inverse Universe

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



41.3385, 32.7387, 50.5953



66.7748, 49.0392, 82.2432



38.1199, 50.1685, 29.8657



10.9791, 10.7750, 12.8731



18.9890, 9.3452, 20.9498



0.9246, 0.4527, 1.1263

Previews

White Background



This preview shows how the XYZ color 31.1429, 27.2880, 58.8840 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1429, 27.2880, 58.8840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

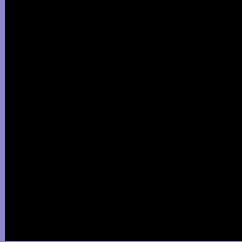
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.1429, 27.2880, 58.8840

Background



This preview shows how black text looks on a background with the XYZ color 31.1429, 27.2880, 58.8840.



This preview shows how white text looks on a background with the XYZ color 31.1429, 27.2880,

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

31.1429, 27.2880, 58.8840

Protanopia

28.5257, 27.3261, 62.8025

Deuteranopia

28.0021, 27.3842, 57.8426



Tritanopia

26.1532, 27.1681, 34.4374

Trichromacy



Original Color

31.1429, 27.2880, 58.8840

Protanomaly

29.3252, 27.1244, 61.4475

Deuteranomaly

29.0295, 27.2526, 58.3738

Tritanomaly

27.7386, 27.1563, 42.3078

Monochromacy



Original Color

31.1429, 27.2880, 58.8840

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.1705, 27.8774, 39.4934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1429, 27.2880, 58.8840 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(148, 133, 201)` looks like.

```
.text, #text, p{  
    color:rgb(148, 133, 201)  
}
```

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(148, 133, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 133, 201) }
```

Border

The CSS property to change the border of an element to XYZ 31.1429, 27.2880, 58.8840 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(148, 133, 201) }
```


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

```
.border{ border-color:rgb(148, 133, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 133, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 133, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 133, 201);  
box-shadow:4px 4px 4px 4px rgb(148, 133,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1429, 27.2880, 58.8840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 133, 201) }
```

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

```
.background{ background-color: rgb(148,  
133, 201) }
```

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