

Converting Colors

XYZ(27.9662, 31.4599, 69.5657)

Have a look what the booklet for
XYZ(27.9662, 31.4599, 69.5657)
contains.

XYZ(27.9347, 31.3738, 69.5492)	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(27.9347, 31.3738,
69.5492)**

Conversions

Conversions Part 1

Format	Color
Hex	4E9FD8
RGB	78, 159, 216
RGB Percent	31%, 62%, 85%
CMY	0.6941, 0.3765, 0.1529
CMYK	0.64, 0.26, 0.00, 0.15
HSL	205°, 64%, 58%
HSV	205°, 64%, 85%
XYZ	27.9347, 31.3738, 69.5492
YIQ	141.2790, -66.5730, 0.5550

Conversions

Conversions Part 2

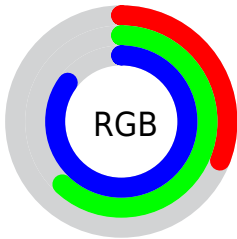
Format	Color
RYB	78, 129, 216
Decimal	5152728
CIELab	62.82, -7.32, -36.34
CIELCh	63, 37.072, 258.618
Yxy	31.3738, 0.2168, 0.2435
Android (android.graphics.Color)	4283342808 (0xFF4E9FD8)
YUV	141.2790, 36.8375, -55.4957
Hunter-Lab	56.0123, -8.9993, -34.4104

Details

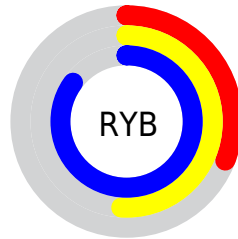
The XYZ color **27.9347, 31.3738, 69.5492** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **38.3596, 32.4792, 11.4566**, and the grayscale version is **25.3068, 26.6247, 28.9943**.

A 20% lighter version of the original color is **52.7440, 60.8021, 103.5638**, and **11.7956, 13.2983, 35.6634** is the 20% darker color. If you saturate the color by 10%, you get **24.9677, 27.6487, 68.9872**, and if you desaturate by 10%, it is **31.5957, 35.6222, 70.1769**.

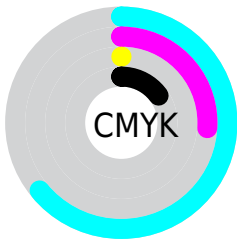
Distribution



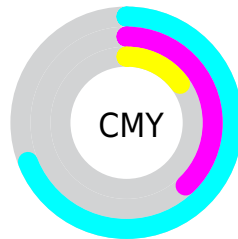
- Red (31%)
- Green (62%)
- Blue (85%)



- Red (31%)
- Yellow (51%)
- Blue (85%)



- Cyan (64%)
- Magenta (26%)
- Yellow (0%)
- Black (15%)



- Cyan (69%)
- Magenta (38%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9347, 31.3738, 69.5492 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 27.9347, 31.3738, 69.5492 by changing the saturation by 10% instead.

■ 27.9347, 31.3738,
69.5492

■ 27.9347, 31.3738,
69.5492

284.2405,
308.2567, 477.7119

■ 18.4166, 20.8837,
50.6846

■ 55.7895, 61.8281,
120.2407

■ 11.3510, 13.0390,
35.5827

■ 74.8570, 82.5611,
152.9047

■ 6.3725, 7.4554,
23.8249

■ 97.8384, 107.4771,
191.0056

■ 3.1157, 3.7485,
14.9928

■ 125.0990,
136.9605, 234.9619

■ 1.2152, 1.5339,
8.6678

157.0041,
171.3958, 285.1921

■ 0.1183, 0.3124,
4.4313

193.9192,

■ 0.0000, 0.0000,

211.1674, 342.1148

1.8648

236.2095,
256.6595, 406.1486

■ 0.0000, 0.0000,
0.4702

■ 0.0000, 0.0000,
0.0000

■ 27.9347, 31.3738,
69.5492

■ 27.9347, 31.3738,
69.5492

■ 24.9677, 27.6487,
68.9872

■ 31.5957, 35.6222,
70.1769

■ 22.6296, 24.4082,
68.4849

■ 36.0009, 40.4215,
70.8711

■ 20.8471, 21.6116,
68.0391

■ 41.1995, 45.8007,
71.6354

■ 19.9558, 20.0799,
67.7904

■ 47.2349, 51.7855,
72.4725

■ 54.1474, 58.3998,
73.3848

■ 61.9746, 65.6658,
74.3747

■ 70.7517, 73.6046,
75.4445

■ 80.5119, 82.2363,
76.5961

■ 84.5894, 88.1272,
77.5183

Harmonies

Analogous

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



23.8212, 31.3738, 59.7229



27.9347, 31.3738, 69.5492



33.0461, 31.3738, 68.0924

Triad

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



27.9347, 31.3738, 69.5492



40.0599, 31.3738, 25.9902



23.0789, 31.3738, 18.8123

Complementary

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



27.9347, 31.3738, 69.5492



38.3596, 32.4792, 11.4566

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.



26.8107, 31.3738, 13.9264



27.9347, 31.3738, 69.5492



36.7495, 31.3738, 17.1852

Square

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



27.9347, 31.3738, 69.5492



40.4494, 31.3738, 39.9799



31.7880, 31.3738, 13.4303



21.2376, 31.3738, 28.9355

Rectangle

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



27.9347, 31.3738, 69.5492



36.3366, 31.3738, 60.9894



31.7880, 31.3738, 13.4303



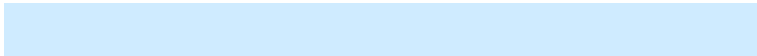
24.1330, 31.3738, 16.6429

Sweetspot

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



27.9358, 31.3749, 69.5500



73.3613, 79.8301, 106.1499



31.9465, 52.4314, 30.7012



15.0943, 16.5017, 22.6395



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.



27.9358, 31.3749, 69.5500



34.9489, 38.3711, 100.1721



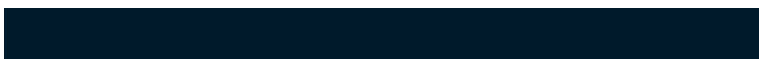
19.3478, 14.1989, 66.6873



12.3422, 13.2078, 15.8364



11.9204, 12.1025, 40.1609



0.7997, 0.8914, 2.4492

Inverse Universe

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



37.3023, 22.5523, 35.1887



50.4159, 27.4040, 42.6236



50.8625, 57.4850, 15.6242



12.7259, 12.5419, 14.4970



19.0757, 9.5666, 12.9687



1.1913, 0.5933, 0.9967

Previews

White Background



This preview shows how the XYZ color 27.9347, 31.3738, 69.5492 looks on a white background.

Color Contrast Check

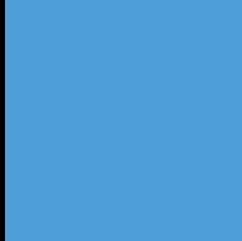
Large Text (above 18pt) WCAG AA × Fail

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 27.9347, 31.3738, 69.5492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

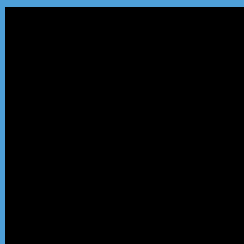
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

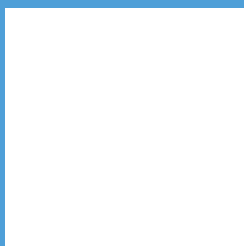
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9347, 31.3738, 69.5492

Background



This preview shows how black text looks on a background with the XYZ color 27.9347, 31.3738, 69.5492.

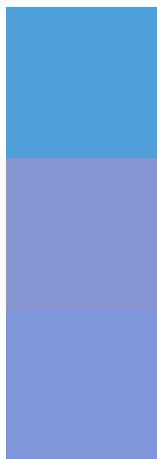


This preview shows how white text looks on a background with the XYZ color 27.9347, 31.3738,

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

27.9347, 31.3738, 69.5492

Protanopia

31.9641, 31.1173, 63.9961

Deuteranopia

32.0187, 31.2346, 70.6710



Tritanopia

23.5765, 31.4569, 47.4770

Trichromacy



Original Color

27.9347, 31.3738, 69.5492

Protanomaly

30.0885, 31.0630, 66.0379

Deuteranomaly

30.1000, 30.9804, 70.0390

Tritanomaly

24.8584, 31.1584, 54.5732

Monochromacy



Original Color

27.9347, 31.3738, 69.5492

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.1290, 27.8585, 41.0986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9347, 31.3738, 69.5492 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(78, 159, 216)` looks like.

```
.text, #text, p{  
    color:rgb(78, 159, 216)  
}
```

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(78, 159, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 159, 216) }
```

Border

The CSS property to change the border of an element to XYZ 27.9347, 31.3738, 69.5492 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(78, 159, 216) }
```


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

```
.border{ border-color:rgb(78, 159, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 159, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 159, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 159, 216);  
box-shadow:4px 4px 4px 4px rgb(78, 159,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9347, 31.3738, 69.5492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 159, 216) }
```

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

```
.background{ background-color: rgb(78, 159,  
216) }
```

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