

Converting Colors

XYZ(27.9175, 31.3619, 72.9896)

Have a look what the booklet for
XYZ(27.9175, 31.3619, 72.9896)
contains.

XYZ(27.9035, 31.2819, 72.9740)	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(27.9035, 31.2819,
72.9740)**

Conversions

Conversions Part 1

Format	Color
Hex	459FDD
RGB	69, 159, 221
RGB Percent	27%, 62%, 87%
CMY	0.7294, 0.3765, 0.1333
CMYK	0.69, 0.28, 0.00, 0.13
HSL	204°, 69%, 57%
HSV	204°, 69%, 87%
XYZ	27.9035, 31.2819, 72.9740
YIQ	139.1580, -73.5420, 0.2020

Conversions

Conversions Part 2

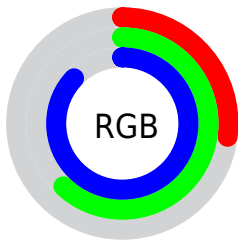
Format	Color
R_{YB}	69, 126, 221
Decimal	4562909
CIE _{Lab}	62.74, -7.11, -39.26
CIE _{LCh}	63, 39.896, 259.738
Yxy	31.2819, 0.2111, 0.2367
Android (android.graphics.Color)	4282752989 (0xFF459FDD)
YUV	139.1580, 40.3481, -61.5286
Hunter-Lab	55.9302, -8.8245, -38.2065

Details

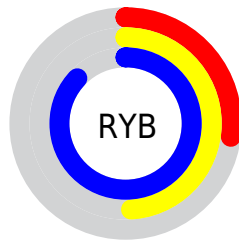
The XYZ color **27.9035, 31.2819, 72.9740** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **39.0110, 32.0369, 9.7594**, and the grayscale version is **24.4726, 25.7471, 28.0386**.

A 20% lighter version of the original color is **51.7694, 60.2997, 103.5182**, and **12.2455, 13.4783, 38.0326** is the 20% darker color. If you saturate the color by 10%, you get **25.1237, 27.6312, 72.4165**, and if you desaturate by 10%, it is **31.3822, 35.4617, 73.5981**.

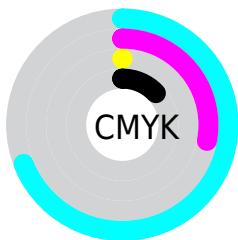
Distribution



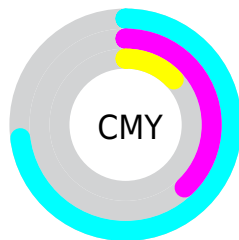
- Red (27%)
- Green (62%)
- Blue (87%)



- Red (27%)
- Yellow (49%)
- Blue (87%)



- Cyan (69%)
- Magenta (28%)
- Yellow (0%)
- Black (13%)



- Cyan (73%)
- Magenta (38%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9035, 31.2819, 72.9740 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 27.9035, 31.2819, 72.9740 by changing the saturation by 10% instead.

■ 27.9035, 31.2819,
72.9740

■ 27.9035, 31.2819,
72.9740

284.0940,
307.8349, 489.9931

■ 18.3930, 20.8136,
53.4630

■ 55.7401, 61.6836,
125.1609

■ 11.3339, 12.9878,
37.7823

■ 74.7968, 82.3858,
158.6738

■ 6.3608, 7.4202,
25.5132

■ 97.7664, 107.2681,
197.6912

■ 3.1084, 3.7262,
16.2373

■ 125.0142,
136.7149, 242.6315

■ 1.2114, 1.5216,
9.5361

156.9055,
171.1106, 293.9133

■ 0.1153, 0.3039,
4.9909

193.8056,

■ 0.0000, 0.0000,

210.8396, 351.9552

2.1833

236.0800,
256.2862, 417.1756

■ 0.0000, 0.0000,
0.6647

■ 0.0000, 0.0000,
0.0000

■ 27.9035, 31.2819,
72.9740

■ 27.9035, 31.2819,
72.9740

■ 25.1237, 27.6312,
72.4165

■ 31.3822, 35.4617,
73.5981

■ 22.9683, 24.4663,
71.9192

■ 35.6167, 40.2019,
74.2898

■ 21.3307, 21.7289,
71.4772

■ 40.6615, 45.5345,
75.0532

■ 21.1477, 21.4135,
71.4259

■ 46.5648, 51.4876,
75.8912

■ 53.3707, 58.0870,
76.8063

■ 61.1201, 65.3570,
77.8011

■ 69.8513, 73.3204,
78.8780

■ 79.6004, 81.9985,
80.0392

■ 85.4913, 88.8806,
81.0571

Harmonies

Analogous

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



23.4582, 31.2819, 62.4960



27.9035, 31.2819, 72.9740



33.4157, 31.2819, 70.8612

Triad

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



27.9035, 31.2819, 72.9740



40.7331, 31.2819, 24.8932



22.4280, 31.2819, 18.1069

Complementary

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



27.9035, 31.2819, 72.9740



39.0110, 32.0369, 9.7594

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.



26.3304, 31.2819, 12.8945



27.9035, 31.2819, 72.9740



37.0363, 31.2819, 15.9014

Square

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



27.9035, 31.2819, 72.9740



41.2885, 31.2819, 39.6950



31.6397, 31.2819, 12.2343



20.5630, 31.2819, 28.9865

Rectangle

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



27.9035, 31.2819, 72.9740



36.9512, 31.2819, 62.7612



31.6397, 31.2819, 12.2343



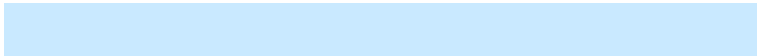
23.5211, 31.2819, 15.7953

Sweetspot

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



27.9046, 31.2830, 72.9748



71.4418, 78.0664, 105.9107



32.3279, 54.5855, 29.8831



14.7216, 16.1591, 22.5931



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.



27.9046, 31.2830, 72.9748



33.1868, 35.9929, 99.8059



18.6927, 12.8591, 69.9041



12.9763, 13.8924, 16.6497



12.3989, 12.6673, 41.5299



0.8872, 0.9885, 2.7185

Inverse Universe

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



38.2060, 22.1330, 35.0602



49.2467, 25.8653, 39.7687



52.9172, 59.8493, 14.3948



13.3779, 13.1803, 15.2514



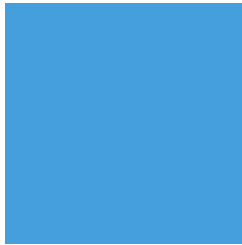
19.7537, 9.9025, 13.6151



1.3221, 0.6585, 1.1051

Previews

White Background



This preview shows how the XYZ color 27.9035, 31.2819, 72.9740 looks on a white background.

Color Contrast Check

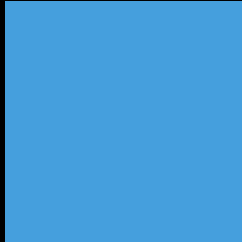
Large Text (above 18pt) WCAG AA × Fail

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 27.9035, 31.2819, 72.9740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

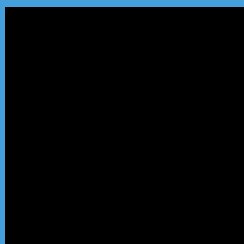
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

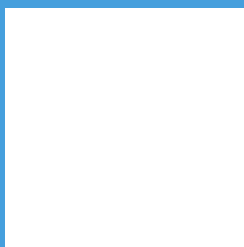
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9035, 31.2819, 72.9740

Background



This preview shows how black text looks on a background with the XYZ color 27.9035, 31.2819, 72.9740.

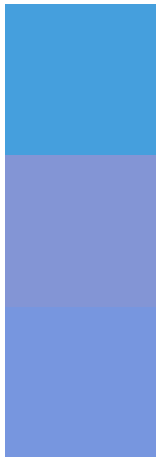


This preview shows how white text looks on a background with the XYZ color 27.9035, 31.2819,

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

27.9035, 31.2819, 72.9740

Protanopia

32.1178, 31.1243, 67.2656

Deuteranopia

31.8334, 31.0623, 74.1299



Tritanopia

22.9714, 31.4041, 48.0309

Trichromacy



Original Color

27.9035, 31.2819, 72.9740

Protanomaly

29.9702, 30.9285, 69.3559

Deuteranomaly

29.9429, 30.8231, 73.4785

Tritanomaly

24.4910, 31.1949, 56.3602

Monochromacy



Original Color

27.9035, 31.2819, 72.9740

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.3797, 26.9997, 41.4626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9035, 31.2819, 72.9740 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(69, 159, 221)` looks like.

```
.text, #text, p{  
    color:rgb(69, 159, 221)  
}
```

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(69, 159, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 159, 221) }
```

Border

The CSS property to change the border of an element to XYZ 27.9035, 31.2819, 72.9740 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(69, 159, 221) }
```


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

```
.border{ border-color:rgb(69, 159, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 159, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 159, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 159, 221);  
box-shadow:4px 4px 4px 4px rgb(69, 159,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9035, 31.2819, 72.9740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 159, 221) }
```

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

```
.background{ background-color: rgb(69, 159,  
221) }
```

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