

Converting Colors

XYZ(29.2350, 28.6518, 98.5972)

Have a look what the booklet for
XYZ(29.2350, 28.6518, 98.5972)
contains.

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Color

**XYZ(29.2671, 28.7231,
98.6093)**

Conversions

Conversions Part 1

Format	Color
Hex	2194FF
RGB	33, 148, 255
RGB Percent	13%, 58%, 100%
CMY	0.8705, 0.4196, 0.0000
CMYK	0.87, 0.42, 0.00, 0.00
HSL	209°, 100%, 56%
HSV	209°, 87%, 100%
XYZ	29.2671, 28.7231, 98.6093
YIQ	125.8130, -102.8870, 8.8970

Conversions

Conversions Part 2

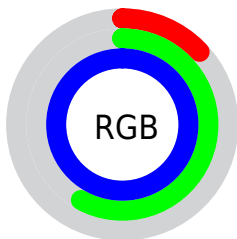
Format	Color
R _Y B	33, 109, 255
Decimal	2200831
CIE Lab	60.54, 7.74, -61.54
CIE LCh	61, 62.026, 277.167
Yxy	28.7231, 0.1869, 0.1834
Android (android.graphics.Color)	4280390911 (0xFF2194FF)
YUV	125.8130, 63.6892, -81.3970
Hunter-Lab	53.5939, 3.6876, -71.5739

Details

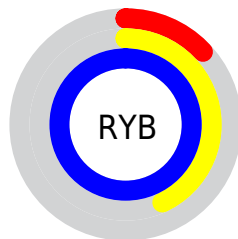
The XYZ color **29.2671, 28.7231, 98.6093** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **50.8974, 40.1348, 6.5053**, and the grayscale version is **19.5870, 20.6070, 22.4410**.

A 20% lighter version of the original color is **46.5444, 52.9152, 102.3683**, and **14.5607, 12.8126, 55.1317** is the 20% darker color. If you saturate the color by 10%, you get **26.9074, 24.7950, 97.9755**, and if you desaturate by 10%, it is **32.4476, 33.3788, 99.3403**.

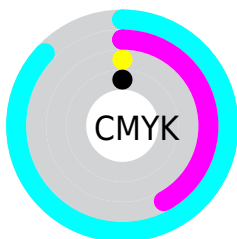
Distribution



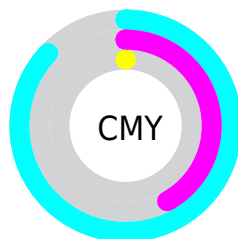
- Red (13%)
- Green (58%)
- Blue (100%)



- Red (13%)
- Yellow (43%)
- Blue (100%)



- Cyan (87%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (87%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2671, 28.7231, 98.6093 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 29.2671, 28.7231, 98.6093 by changing the saturation by 10% instead.

■ 29.2671, 28.7231,
98.6093

■ 29.2671, 28.7231,
98.6093

290.4446,
295.9062, 576.9332

■ 19.4283, 18.8715,
74.5292

■ 57.8958, 57.6369,
161.2799

■ 12.0860, 11.5774,
54.7279

■ 77.4164, 77.4677,
200.7075

■ 6.8749, 6.4566,
38.7868

■ 100.8950,
101.3938, 246.0880

■ 3.4296, 3.1247,
26.2873

■ 128.6968,
129.7995, 297.8400

■ 1.3848, 1.1972,
16.8110

■ 161.1874,
163.0692, 356.3819

■ 0.2454, 0.0594,
9.9393

198.7320,

■ 0.0000, 0.0000,

201.5873, 422.1325

5.2537

241.6959,
245.7382, 495.5100

■ 0.0000, 0.0000,
2.3355

■ 0.0000, 0.0000,
0.7510

■ 29.2671, 28.7231,
98.6093

■ 29.2671, 28.7231,
98.6093

■ 26.9074, 24.7950,
97.9755

■ 32.4476, 33.3788,
99.3403

■ 26.3119, 23.7439,
97.8040

■ 36.5730, 38.8345,
100.1759

■ 41.7454, 45.1515,
101.1226

■ 48.0513, 52.3829,
102.1861

■ 55.5673, 60.5761,
103.3714

■ 64.3630, 69.7747,
104.6833

■ 74.5021, 80.0191,
106.1263

■ 86.0439, 91.3470,
107.7045

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



21.7504, 28.7231, 92.0699



29.2671, 28.7231, 98.6093



37.7002, 28.7231, 81.2240

Triad

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



29.2671, 28.7231, 98.6093



41.5016, 28.7231, 11.4811



15.4256, 28.7231, 17.0932

Complementary

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



29.2671, 28.7231, 98.6093



50.8974, 40.1348, 6.5053

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.



19.0141, 28.7231, 7.6515



29.2671, 28.7231, 98.6093



33.7223, 28.7231, 5.6946

Square

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



29.2671, 28.7231, 98.6093



45.6062, 28.7231, 26.0887



25.4239, 28.7231, 4.7525



14.6950, 28.7231, 37.1058

Rectangle

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



29.2671, 28.7231, 98.6093



42.3910, 28.7231, 61.7968



25.4239, 28.7231, 4.7525



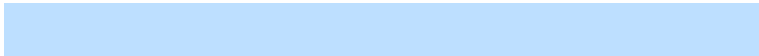
16.2980, 28.7231, 12.9397

Sweetspot

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



29.2682, 28.7239, 98.6094



65.3604, 70.7975, 104.8282



40.8760, 73.6390, 35.5822



13.2954, 14.4386, 22.3361



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.



29.2682, 28.7239, 98.6094



26.3119, 23.7439, 97.8040



19.4515, 9.0905, 95.3372



17.7813, 18.9342, 22.9674



13.8989, 12.7075, 51.1548



1.4627, 1.4561, 5.0172

Inverse Universe

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



47.1301, 24.4875, 30.2598



45.4102, 22.9281, 23.8902



74.9598, 88.2597, 14.5261



18.4023, 18.1442, 20.7354



23.8037, 12.0108, 12.8829



2.3729, 1.1915, 1.5452

Previews

White Background



This preview shows how the XYZ color 29.2671, 28.7231, 98.6093 looks on a white background.

Color Contrast Check

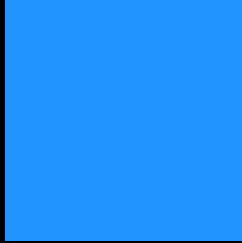
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2671, 28.7231, 98.6093 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

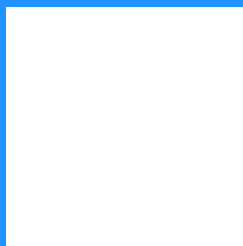
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2671, 28.7231, 98.6093

Background



This preview shows how black text looks on a background with the XYZ color 29.2671, 28.7231, 98.6093.



This preview shows how white text looks on a background with the XYZ color 29.2671, 28.7231,

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

29.2671, 28.7231, 98.6093

Protanopia

31.5052, 28.4237, 92.6328

Deuteranopia

29.7503, 28.7404, 98.5872



Tritanopia

20.1913, 28.4683, 43.4605

Trichromacy



Original Color

29.2671, 28.7231, 98.6093

Protanomaly

30.2099, 28.3674, 95.1500

Deuteranomaly

29.4800, 28.6010, 98.5745

Tritanomaly

22.7008, 28.1194, 60.1082

Monochromacy



Original Color

29.2671, 28.7231, 98.6093

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.4816, 22.3426, 42.7682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2671, 28.7231, 98.6093 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(33, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(33, 148, 255)  
}
```

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(33, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 148, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.2671, 28.7231, 98.6093 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(33, 148, 255) }
```


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

```
.border{ border-color:rgb(33, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(33, 148,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2671, 28.7231, 98.6093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 148, 255) }
```

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

```
.background{ background-color: rgb(33, 148,  
255) }
```

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](#).

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