

Converting Colors

XYZ(28.9578, 27.9539, 98.4771)

Have a look what the booklet for
XYZ(28.9578, 27.9539, 98.4771)
contains.

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Color

**XYZ(28.9030, 27.8459,
98.4592)**

Conversions

Conversions Part 1

Format	Color
Hex	2491FF
RGB	36, 145, 255
RGB Percent	14%, 57%, 100%
CMY	0.8587, 0.4314, 0.0000
CMYK	0.86, 0.43, 0.00, 0.00
HSL	210°, 100%, 57%
HSV	210°, 86%, 100%
XYZ	28.9030, 27.8459, 98.4592
YIQ	124.9490, -100.2740, 11.1020

Conversions

Conversions Part 2

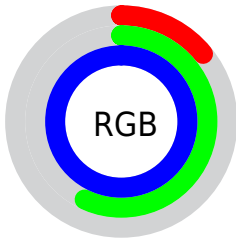
Format	Color
R _Y B	36, 109, 255
Decimal	2396671
CIE Lab	59.75, 9.73, -62.80
CIE LCh	60, 63.549, 278.803
Yxy	27.8459, 0.1862, 0.1794
Android (android.graphics.Color)	4280586751 (0xFF2491FF)
YUV	124.9490, 64.1151, -78.0083
Hunter-Lab	52.7692, 5.4227, -73.6875

Details

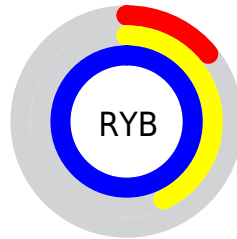
The XYZ color **28.9030, 27.8459, 98.4592** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **51.8420, 41.9537, 7.0368**, and the grayscale version is **19.2945, 20.2993, 22.1059**.

A 20% lighter version of the original color is **46.1292, 51.6731, 102.1504**, and **14.2609, 12.3970, 54.4645** is the 20% darker color. If you saturate the color by 10%, you get **26.4591, 23.8424, 97.8152**, and if you desaturate by 10%, it is **32.2017, 32.6181, 99.2065**.

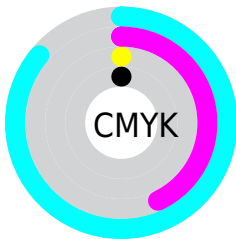
Distribution



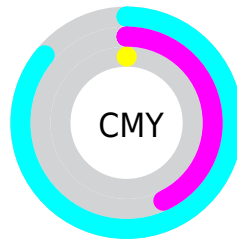
- Red (14%)
- Green (57%)
- Blue (100%)



- Red (14%)
- Yellow (43%)
- Blue (100%)



- Cyan (86%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)



- Cyan (86%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9030, 27.8459, 98.4592 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 28.9030, 27.8459, 98.4592 by changing the saturation by 10% instead.

■ 28.9030, 27.8459,
98.4592

■ 28.9030, 27.8459,
98.4592

288.7595,
291.7298, 576.4458

■ 19.1514, 18.2095,
74.4047

■ 57.3216, 56.2383,
161.0715

■ 11.8844, 11.1005,
54.6265

■ 76.7192, 75.7632,
200.4664

■ 6.7366, 6.1345,
38.7062

■ 100.0629, 99.3529,
245.8118

■ 3.3428, 2.9270,
26.2252

■ 127.7180,
127.3921, 297.5263

■ 1.3375, 1.0938,
16.7649

■ 160.0498,
160.2649, 356.0284

■ 0.2110, 0.0000,
9.9068

197.4238,

■ 0.0000, 0.0000,

198.3559, 421.7366

5.2324

240.2052,
242.0494, 495.0696

■ 0.0000, 0.0000,
2.3232

■ 0.0000, 0.0000,
0.7441

■ 28.9030, 27.8459,
98.4592

■ 28.9030, 27.8459,
98.4592

■ 26.4591, 23.8424,
97.8152

■ 32.2017, 32.6181,
99.2065

■ 25.6268, 22.3735,
97.5756

■ 36.4744, 38.2302,
100.0645

■ 41.8219, 44.7442,
101.0400

■ 48.3300, 52.2139,
102.1388

■ 56.0753, 60.6878,
103.3662

■ 65.1273, 70.2104,
104.7271

■ 75.5497, 80.8232,
106.2263

■ 87.4022, 92.5651,
107.8680

■ 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.



21.2630, 27.8459, 93.1353



28.9030, 27.8459, 98.4592



37.3801, 27.8459, 79.5424

Triad

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



28.9030, 27.8459, 98.4592



40.4290, 27.8459, 10.1819



14.5148, 27.8459, 16.9671

Complementary

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



28.9030, 27.8459, 98.4592



51.8420, 41.9537, 7.0368

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.



17.9156, 27.8459, 7.2541



28.9030, 27.8459, 98.4592



32.4568, 27.8459, 4.9442

Square

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



28.9030, 27.8459, 98.4592



44.8643, 27.8459, 24.0377



24.1713, 27.8459, 4.2422



13.9439, 27.8459, 37.6100

Rectangle

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



28.9030, 27.8459, 98.4592



42.0089, 27.8459, 59.5079



24.1713, 27.8459, 4.2422



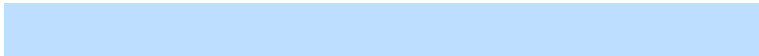
15.3262, 27.8459, 12.6870

Sweetspot

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



28.9041, 27.8467, 98.4593



65.0022, 70.0810, 104.7087



41.6391, 73.9558, 39.0767



13.2108, 14.2692, 22.3079



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.



28.9041, 27.8467, 98.4593



25.6268, 22.3735, 97.5756



19.4103, 8.8590, 95.2947



17.7498, 18.8712, 22.9569



13.5397, 11.9889, 51.0351



1.4275, 1.3856, 5.0055

Inverse Universe

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



46.9826, 24.5678, 29.0543



45.0644, 22.7898, 22.0690



77.3189, 92.9075, 15.5291



18.3863, 18.1379, 20.6516



23.6224, 11.9383, 11.9279



2.3551, 1.1844, 1.4515

Previews

White Background



This preview shows how the XYZ color 28.9030, 27.8459, 98.4592 looks on a white background.

Color Contrast Check

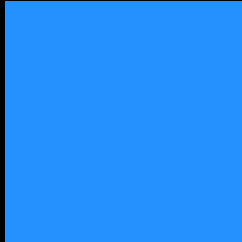
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9030, 27.8459, 98.4592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

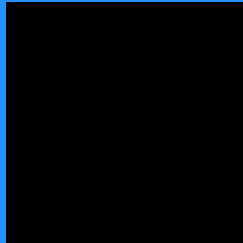
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

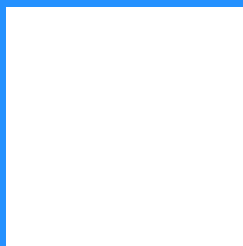
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9030, 27.8459, 98.4592

Background



This preview shows how black text looks on a background with the XYZ color 28.9030, 27.8459, 98.4592.



This preview shows how white text looks on a background with the XYZ color 28.9030, 27.8459,

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

28.9030, 27.8459, 98.4592

Protanopia

30.8457, 27.6319, 93.3303

Deuteranopia

28.8351, 27.8109, 98.4560



Tritanopia

19.6538, 27.6986, 42.3407

Trichromacy



Original Color

28.9030, 27.8459, 98.4592

Protanomaly

29.6099, 27.3925, 94.9935

Deuteranomaly

28.8685, 27.8281, 98.4576

Tritanomaly

22.2642, 27.4138, 59.3763

Monochromacy



Original Color

28.9030, 27.8459, 98.4592

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.2119, 21.8082, 42.1739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9030, 27.8459, 98.4592 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(36, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(36, 145, 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(36, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 145, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.9030, 27.8459, 98.4592 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(36, 145, 255) }
```


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

```
.border{ border-color:rgb(36, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(36, 145,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9030, 27.8459, 98.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 145, 255) }
```

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

```
.background{ background-color: rgb(36, 145,  
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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