

Converting Colors

XYZ(29.8312, 28.9100, 92.8148)

Have a look what the booklet for
XYZ(29.8312, 28.9100, 92.8148)
contains.

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Color

**XYZ(29.8312, 28.9100,
92.8148)**

Conversions

Conversions Part 1

Format	Color
Hex	4593F8
RGB	69, 147, 248
RGB Percent	27%, 58%, 97%
CMY	0.7294, 0.4235, 0.0274
CMYK	0.72, 0.41, 0.00, 0.03
HSL	214°, 93%, 62%
HSV	214°, 72%, 97%
XYZ	29.8312, 28.9100, 92.8148
YIQ	135.1920, -78.9090, 14.8750

Conversions

Conversions Part 2

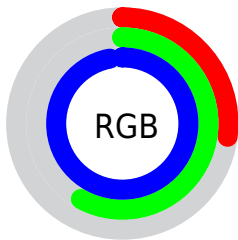
Format	Color
R _{YB}	69, 123, 248
Decimal	4559864
CIE Lab	60.70, 9.18, -57.39
CIE LCh	61, 58.118, 279.088
Yxy	28.9100, 0.1968, 0.1908
Android (android.graphics.Color)	4282749944 (0xFF4593F8)
YUV	135.1920, 55.6143, -58.0504
Hunter-Lab	53.7680, 4.9401, -64.7093

Details

The XYZ color **29.8312, 28.9100, 92.8148** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **54.1629, 49.1398, 12.2623**, and the grayscale version is **22.9230, 24.1168, 26.2632**.

A 20% lighter version of the original color is **49.0208, 53.8469, 102.4176**, and **13.6787, 12.3110, 50.9455** is the 20% darker color. If you saturate the color by 10%, you get **26.3798, 24.0946, 92.0679**, and if you desaturate by 10%, it is **34.2843, 34.6353, 93.6858**.

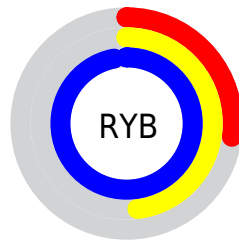
Distribution



Red (27%)

Green (58%)

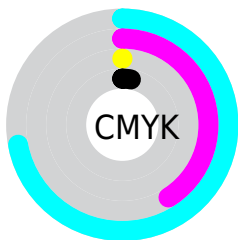
Blue (97%)



Red (27%)

Yellow (48%)

Blue (97%)

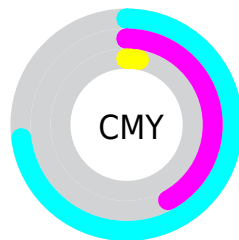


Cyan (72%)

Magenta (41%)

Yellow (0%)

Black (3%)



Cyan (73%)

Magenta (42%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8312, 28.9100, 92.8148 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 29.8312, 28.9100, 92.8148 by changing the saturation by 10% instead.

■ 29.8312, 28.9100,
92.8148

■ 29.8312, 28.9100,
92.8148

293.0408,
296.7901, 557.9500

■ 19.8579, 19.0127,
69.7308

■ 58.7836, 57.9341,
153.2117

■ 12.3995, 11.6795,
50.8316

■ 78.4934, 77.8297,
191.3616

■ 7.0905, 6.5258,
35.6988

■ 102.1795,
101.8268, 235.3706

■ 3.5656, 3.1674,
23.9138

■ 130.2072,
130.3100, 285.6571

■ 1.4594, 1.2197,
15.0581

162.9418,
163.6635, 342.6398

■ 0.2980, 0.0777,
8.7131

200.7487,

■ 0.0000, 0.0000,

202.2717, 406.7371

4.4603

243.9932,
246.5191, 478.3677

■ 0.0000, 0.0000,
1.8811

■ 0.0000, 0.0000,
0.4807

■ 29.8312, 28.9100,
92.8148

■ 29.8312, 28.9100,
92.8148

■ 26.3798, 24.0946,
92.0679

■ 34.2843, 34.6353,
93.6858

■ 23.8185, 20.1168,
91.4351

■ 39.8259, 41.3278,
94.6855

■ 22.3123, 17.5152,
91.0123

■ 46.5366, 49.0420,
95.8208

■ 54.4876, 57.8268,
97.0974

■ 63.7443, 67.7275,
98.5206

■ 74.3669, 78.7865,
100.0953

■ 86.4120, 91.0436,
101.8263

■ 93.9434, 99.5574,
103.0727

Harmonies

Analogous

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



22.6235, 28.9100, 88.3391



29.8312, 28.9100, 92.8148



37.6651, 28.9100, 75.9278

Triad

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



29.8312, 28.9100, 92.8148



40.3302, 28.9100, 11.8918



16.0427, 28.9100, 18.8671

Complementary

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



29.8312, 28.9100, 92.8148



54.1629, 49.1398, 12.2623

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.



19.3165, 28.9100, 9.0043



29.8312, 28.9100, 92.8148



32.9817, 28.9100, 6.4476

Square

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



29.8312, 28.9100, 92.8148



44.4148, 28.9100, 25.3672



25.2521, 28.9100, 5.7089



15.5090, 28.9100, 38.4991

Rectangle

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



29.8312, 28.9100, 92.8148



41.8803, 28.9100, 57.9736



25.2521, 28.9100, 5.7089



16.8261, 28.9100, 14.6092

Sweetspot

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



29.8324, 28.9109, 92.8156



68.0564, 72.3079, 104.9776



43.0399, 71.2078, 48.2564



13.9622, 14.8370, 22.3779



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.



29.8324, 28.9109, 92.8156



26.6401, 23.4621, 97.7323



22.2109, 12.6530, 90.0792



16.9052, 17.8872, 21.9469



12.1868, 9.7291, 49.2092



1.2320, 1.1077, 4.5921

Inverse Universe

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



46.1071, 26.3209, 30.2547



45.8049, 23.9628, 23.2654



70.2561, 85.9247, 18.5143



17.5587, 17.3508, 19.5318



22.4433, 11.3931, 9.0431



2.1308, 1.0761, 1.1122

Previews

White Background



This preview shows how the XYZ color 29.8312, 28.9100, 92.8148 looks on a white background.

Color Contrast Check

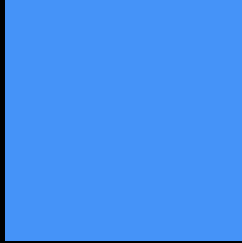
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8312, 28.9100, 92.8148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

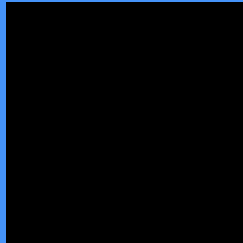
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

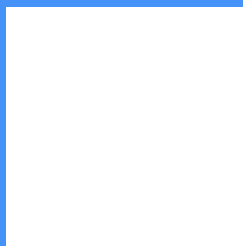
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8312, 28.9100, 92.8148

Background



This preview shows how black text looks on a background with the XYZ color 29.8312, 28.9100, 92.8148.



This preview shows how white text looks on a background with the XYZ color 29.8312, 28.9100,

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

29.8312, 28.9100, 92.8148

Protanopia

31.4442, 28.7006, 88.6765

Deuteranopia

29.9028, 28.9468, 92.8182



Tritanopia

20.5603, 28.8967, 44.5384

Trichromacy



Original Color

29.8312, 28.9100, 92.8148

Protanomaly

30.7691, 28.7632, 90.3164

Deuteranomaly

29.9028, 28.9468, 92.8182

Tritanomaly

23.0005, 28.5377, 59.5544

Monochromacy



Original Color

29.8312, 28.9100, 92.8148

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.6246, 24.9793, 44.6506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8312, 28.9100, 92.8148 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, 147, 248)` looks like.

```
.text, #text, p{  
    color:rgb(69, 147, 248)  
}
```

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, 147, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 147, 248) }
```

Border

The CSS property to change the border of an element to XYZ 29.8312, 28.9100, 92.8148 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, 147, 248) }
```


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

```
.border{ border-color:rgb(69, 147, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 147, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 147, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 147, 248);  
box-shadow:4px 4px 4px 4px rgb(69, 147,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8312, 28.9100, 92.8148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 147, 248) }
```

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

```
.background{ background-color: rgb(69, 147,  
248) }
```

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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