

Converting Colors

XYZ(29.8134, 30.2304, 97.1917)

Have a look what the booklet for
XYZ(29.8134, 30.2304, 97.1917)
contains.

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Color

**XYZ(29.8140, 30.2316,
97.1924)**

Conversions

Conversions Part 1

Format	Color
Hex	2399FD
RGB	35, 153, 253
RGB Percent	14%, 60%, 99%
CMY	0.8626, 0.4000, 0.0078
CMYK	0.86, 0.40, 0.00, 0.01
HSL	208°, 98%, 56%
HSV	208°, 86%, 99%
XYZ	29.8140, 30.2316, 97.1924
YIQ	129.1180, -102.4280, 6.0840

Conversions

Conversions Part 2

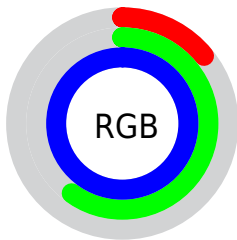
Format	Color
R _Y B	35, 112, 253
Decimal	2333181
CIE Lab	61.85, 4.15, -58.34
CIE LCh	62, 58.487, 274.071
Yxy	30.2316, 0.1896, 0.1923
Android (android.graphics.Color)	4280523261 (0xFF2399FD)
YUV	129.1180, 61.0738, -82.5415
Hunter-Lab	54.9833, 0.5687, -66.3170

Details

The XYZ color **29.8140, 30.2316, 97.1924** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **49.4801, 38.3402, 6.3849**, and the grayscale version is **20.7294, 21.8090, 23.7500**.

A 20% lighter version of the original color is **48.1086, 55.8387, 102.8501**, and **14.8141, 13.6860, 54.0854** is the 20% darker color. If you saturate the color by 10%, you get **27.4346, 26.3208, 96.5636**, and if you desaturate by 10%, it is **32.9977, 34.8319, 97.9132**.

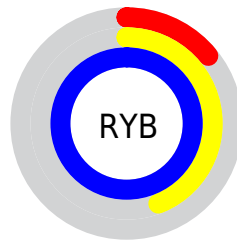
Distribution



Red (14%)

Green (60%)

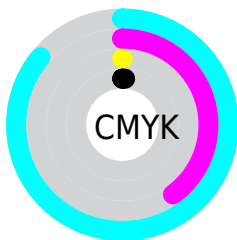
Blue (99%)



Red (14%)

Yellow (44%)

Blue (99%)

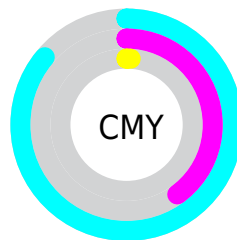


Cyan (86%)

Magenta (40%)

Yellow (0%)

Black (1%)



Cyan (86%)

Magenta (40%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8140, 30.2316, 97.1924 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 29.8140, 30.2316, 97.1924 by changing the saturation by 10% instead.

■ 29.8140, 30.2316,
97.1924

■ 29.8140, 30.2316,
97.1924

292.9619,
302.9825, 572.3228

■ 19.8448, 20.0144,
73.3541

■ 58.7566, 60.0282,
159.3116

■ 12.3899, 12.4055,
53.7720

■ 78.4606, 80.3765,
198.4295

■ 7.0839, 7.0205,
38.0275

■ 102.1404,
104.8706, 243.4778

■ 3.5614, 3.4749,
25.7020

■ 130.1612,
133.8950, 294.8750

■ 1.4571, 1.3844,
16.3771

■ 162.8884,
167.8339, 353.0395

■ 0.2964, 0.2052,
9.6341

200.6874,

■ 0.0000, 0.0000,

207.0719, 418.3899

5.0546

243.9234,
251.9933, 491.3449

■ 0.0000, 0.0000,
2.2201

■ 0.0000, 0.0000,
0.6859

■ 29.8140, 30.2316,
97.1924

■ 29.8140, 30.2316,
97.1924

■ 27.4346, 26.3208,
96.5636

■ 32.9977, 34.8319,
97.9132

■ 26.6656, 24.9635,
96.3422

■ 37.1009, 40.1878,
98.7308

■ 42.2216, 46.3572,
99.6517

■ 48.4426, 53.3899,
100.6813

■ 55.8378, 61.3305,
101.8242

■ 64.4739, 70.2200,
103.0848

■ 74.4125, 80.0963,
104.4673

■ 85.7106, 90.9950,
105.9755

■ 94.7297, 99.8719,
107.2136

Harmonies

Analogous

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



22.6527, 30.2316, 88.7576



29.8140, 30.2316, 97.1924



37.9995, 30.2316, 82.9709

Triad

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



29.8140, 30.2316, 97.1924



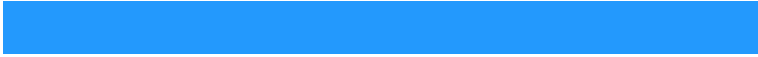
43.0626, 30.2316, 14.2174



17.2298, 30.2316, 17.4596

Complementary

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



29.8140, 30.2316, 97.1924



49.4801, 38.3402, 6.3849

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.



21.1126, 30.2316, 8.5916



29.8140, 30.2316, 97.1924



35.8171, 30.2316, 7.4035

Square

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



29.8140, 30.2316, 97.1924



46.4767, 30.2316, 29.9561



27.6808, 30.2316, 5.9490



16.2024, 30.2316, 36.0670

Rectangle

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



29.8140, 30.2316, 97.1924



42.6975, 30.2316, 65.1707



27.6808, 30.2316, 5.9490



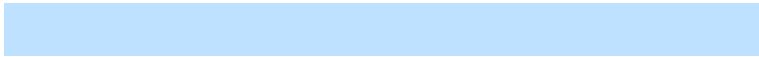
18.2047, 30.2316, 13.5741

Sweetspot

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



29.8153, 30.2325, 97.1932



65.7746, 71.6259, 104.9662



40.0613, 72.3056, 34.0773



13.3935, 14.6346, 22.3688



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.



29.8153, 30.2325, 97.1932



27.1403, 25.4006, 98.0801



19.3980, 9.3980, 93.7208



17.8176, 19.0067, 22.9795



14.3326, 13.5748, 51.2994



1.5048, 1.5404, 5.0313

Inverse Universe

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



46.8600, 24.3865, 32.3747



45.8284, 23.0953, 26.0920



72.5947, 84.5694, 14.0897



18.4206, 18.1515, 20.8318



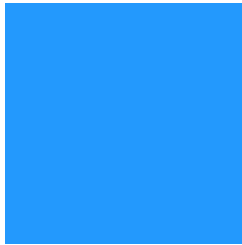
24.0226, 12.0983, 14.0356



2.3942, 1.2000, 1.6572

Previews

White Background



This preview shows how the XYZ color 29.8140, 30.2316, 97.1924 looks on a white background.

Color Contrast Check

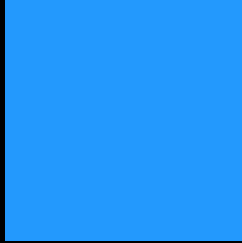
Large Text (above 18pt) WCAG AA × Fail

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 29.8140, 30.2316, 97.1924 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

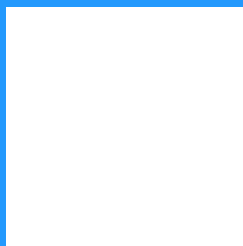
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8140, 30.2316, 97.1924

Background



This preview shows how black text looks on a background with the XYZ color 29.8140, 30.2316, 97.1924.



This preview shows how white text looks on a background with the XYZ color 29.8140, 30.2316,

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

29.8140, 30.2316, 97.1924

Protanopia

32.6702, 29.9692, 90.4489

Deuteranopia

31.2500, 30.2337, 97.9546



Tritanopia

21.3909, 30.0846, 46.2745

Trichromacy



Original Color

29.8140, 30.2316, 97.1924

Protanomaly

30.9265, 29.7065, 92.9109

Deuteranomaly

30.6433, 30.1588, 97.9721

Tritanomaly

23.9303, 29.9831, 62.2837

Monochromacy



Original Color

29.8140, 30.2316, 97.1924

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.4478, 23.6658, 43.4819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8140, 30.2316, 97.1924 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(35, 153, 253)` looks like.

```
.text, #text, p{  
    color:rgb(35, 153, 253)  
}
```

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(35, 153, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 153, 253) }
```

Border

The CSS property to change the border of an element to XYZ 29.8140, 30.2316, 97.1924 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(35, 153, 253) }
```


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

```
.border{ border-color:rgb(35, 153, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 153, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 153, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 153, 253);  
box-shadow:4px 4px 4px 4px rgb(35, 153,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8140, 30.2316, 97.1924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 153, 253) }
```

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

```
.background{ background-color: rgb(35, 153,  
253) }
```

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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