

Converting Colors

XYZ(29.2292, 31.5869, 89.0437)

Have a look what the booklet for
XYZ(29.2292, 31.5869, 89.0437)
contains.

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Color

**XYZ(29.3034, 31.6424,
89.3572)**

Conversions

Conversions Part 1

Format	Color
Hex	249FF3
RGB	36, 159, 243
RGB Percent	14%, 62%, 95%
CMY	0.8587, 0.3765, 0.0471
CMYK	0.85, 0.35, 0.00, 0.05
HSL	204°, 90%, 55%
HSV	204°, 85%, 95%
XYZ	29.3034, 31.6424, 89.3572
YIQ	131.7990, -100.2720, 0.0480

Conversions

Conversions Part 2

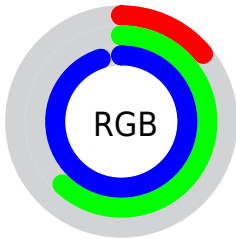
Format	Color
RYB	36, 113, 243
Decimal	2400243
CIELab	63.05, -2.94, -50.96
CIELCh	63, 51.047, 266.699
Yxy	31.6424, 0.1950, 0.2105
Android (android.graphics.Color)	4280590323 (0xFF249FF3)
YUV	131.7990, 54.8221, -84.0157
Hunter-Lab	56.2516, -5.4534, -54.8077

Details

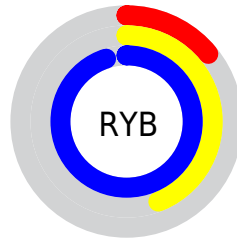
The XYZ color **29.3034, 31.6424, 89.3572** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **44.0009, 32.6215, 5.6486**, and the grayscale version is **21.6978, 22.8278, 24.8595**.

A 20% lighter version of the original color is **49.3155, 58.6601, 103.3311**, and **14.2255, 14.2703, 48.4591** is the 20% darker color. If you saturate the color by 10%, you get **27.0951, 28.0863, 88.7879**, and if you desaturate by 10%, it is **32.2236, 35.7671, 90.0001**.

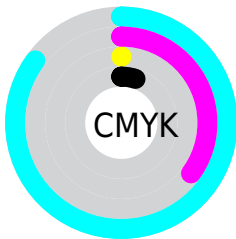
Distribution



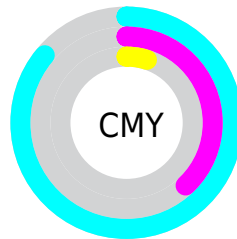
- Red (14%)
- Green (62%)
- Blue (95%)



- Red (14%)
- Yellow (44%)
- Blue (95%)



- Cyan (85%)
- Magenta (35%)
- Yellow (0%)
- Black (5%)



- Cyan (86%)
- Magenta (38%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3034, 31.6424, 89.3572 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 29.3034, 31.6424, 89.3572 by changing the saturation by 10% instead.

■ 29.3034, 31.6424,
89.3572

■ 29.3034, 31.6424,
89.3572

290.6122,
309.4870, 546.4537

■ 19.4559, 21.0885,
66.8769

■ 57.9530, 62.2501,
148.3729

■ 12.1061, 13.1887,
48.5236

■ 77.4858, 83.0726,
185.7454

■ 6.8887, 7.5586,
33.8788

■ 100.9778,
108.0869, 228.9191

■ 3.4383, 3.8138,
22.5239

■ 128.7943,
137.6772, 278.3124

■ 1.3896, 1.5700,
14.0404

■ 161.3006,
172.2279, 334.3440

■ 0.2488, 0.3372,
8.0097

198.8621,

■ 0.0000, 0.0000,

212.1236, 397.4324

4.0133

241.8442,
257.7485, 467.9961

■ 0.0000, 0.0000,
1.6326

■ 0.0000, 0.0000,
0.3139

■ 29.3034, 31.6424,
89.3572

■ 29.3034, 31.6424,
89.3572

■ 27.0951, 28.0863,
88.7879

■ 32.2236, 35.7671,
90.0001

■ 26.2088, 26.5331,
88.5348

■ 35.9554, 40.5152,
90.7199

■ 40.5844, 45.9356,
91.5222

■ 46.1835, 52.0701,
92.4112

■ 52.8173, 58.9562,
93.3907

■ 60.5447, 66.6280,
94.4642

■ 69.4198, 75.1175,
95.6351

■ 79.4929, 84.4544,
96.9064

■ 90.8110, 94.6666,
98.2810

Harmonies

Analogous

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



23.2471, 31.6424, 77.9968



29.3034, 31.6424, 89.3572



36.5667, 31.6424, 81.9041

Triad

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



29.3034, 31.6424, 89.3572



43.8403, 31.6424, 19.8220



20.1327, 31.6424, 17.2690

Complementary

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



29.3034, 31.6424, 89.3572



44.0009, 32.6215, 5.6486

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.



24.4013, 31.6424, 10.1492



29.3034, 31.6424, 89.3572



38.1243, 31.6424, 11.1686

Square

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



29.3034, 31.6424, 89.3572



45.6898, 31.6424, 36.7310



30.8603, 31.6424, 8.4544



18.4976, 31.6424, 32.2715

Rectangle

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



29.3034, 31.6424, 89.3572



41.0245, 31.6424, 68.4095



30.8603, 31.6424, 8.4544



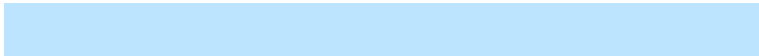
21.2711, 31.6424, 14.1383

Sweetspot

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



29.3046, 31.6434, 89.3580



66.7308, 73.5382, 105.2850



36.0981, 65.8048, 28.1939



13.6202, 15.0882, 22.4444



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.



29.3046, 31.6434, 89.3580



29.1988, 29.5177, 98.7663



18.3558, 9.7456, 85.7084



16.3998, 17.5639, 21.0684



14.5200, 14.8338, 48.6359



1.3769, 1.5052, 4.3082

Inverse Universe

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



43.8523, 22.8214, 34.8952



46.8674, 23.5110, 31.5636



63.4832, 71.5863, 12.1428



16.9124, 16.6478, 19.2852



23.1335, 11.5969, 15.9435



2.0841, 1.0396, 1.6691

Previews

White Background



This preview shows how the XYZ color 29.3034, 31.6424, 89.3572 looks on a white background.

Color Contrast Check

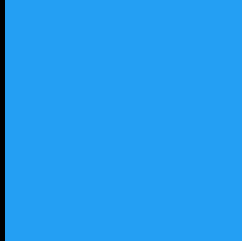
Large Text (above 18pt) WCAG AA × Fail

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 29.3034, 31.6424, 89.3572 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

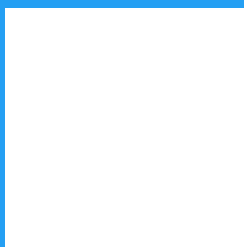
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3034, 31.6424, 89.3572

Background



This preview shows how black text looks on a background with the XYZ color 29.3034, 31.6424, 89.3572.

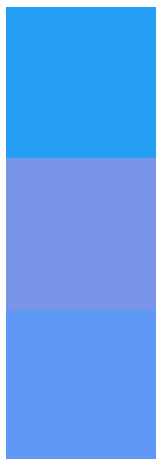


This preview shows how white text looks on a background with the XYZ color 29.3034, 31.6424,

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

29.3034, 31.6424, 89.3572

Protanopia

33.4839, 31.5004, 82.1573

Deuteranopia

32.5335, 31.5358, 90.7585



Tritanopia

22.3431, 31.3415, 48.5880

Trichromacy



Original Color

29.3034, 31.6424, 89.3572

Protanomaly

30.8937, 31.0705, 84.4897

Deuteranomaly

30.8745, 31.4302, 90.0273

Tritanomaly

24.5202, 31.3555, 61.8866

Monochromacy



Original Color

29.3034, 31.6424, 89.3572

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.0492, 24.8659, 42.6672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3034, 31.6424, 89.3572 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, 159, 243)` looks like.

```
.text, #text, p{  
    color:rgb(36, 159, 243)  
}
```

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, 159, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 159, 243) }
```

Border

The CSS property to change the border of an element to XYZ 29.3034, 31.6424, 89.3572 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, 159, 243) }
```


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

```
.border{ border-color:rgb(36, 159, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 159, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 159, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 159, 243);  
box-shadow:4px 4px 4px 4px rgb(36, 159,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3034, 31.6424, 89.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 159, 243) }
```

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

```
.background{ background-color: rgb(36, 159,  
243) }
```

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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