

Converting Colors

XYZ(27.1567, 29.7009, 81.4148)

Have a look what the booklet for
XYZ(27.1567, 29.7009, 81.4148)
contains.

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Color

**XYZ(27.1569, 29.7009,
81.3923)**

Conversions

Conversions Part 1

Format	Color
Hex	249BE9
RGB	36, 155, 233
RGB Percent	14%, 61%, 91%
CMY	0.8587, 0.3922, 0.0863
CMYK	0.85, 0.33, 0.00, 0.09
HSL	204°, 82%, 53%
HSV	204°, 85%, 91%
XYZ	27.1569, 29.7009, 81.3923
YIQ	128.3110, -95.9620, -0.9700

Conversions

Conversions Part 2

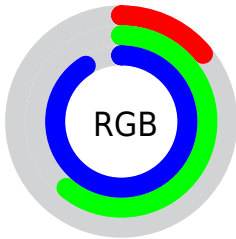
Format	Color
R _Y B	36, 110, 233
Decimal	2399209
CIE Lab	61.40, -4.28, -48.07
CIE LCh	61, 48.262, 264.911
Yxy	29.7009, 0.1964, 0.2148
Android (android.graphics.Color)	4280589289 (0xFF249BE9)
YUV	128.3110, 51.6117, -80.9567
Hunter-Lab	54.4985, -6.4250, -50.3993

Details

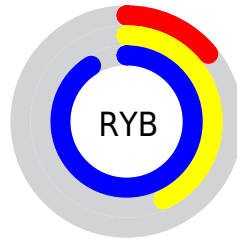
The XYZ color **27.1569, 29.7009, 81.3923** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **39.9433, 29.4912, 5.2581**, and the grayscale version is **20.4787, 21.5452, 23.4628**.

A 20% lighter version of the original color is **48.0529, 56.5339, 102.9872**, and **12.8861, 13.0750, 43.4395** is the 20% darker color. If you saturate the color by 10%, you get **25.1142, 26.4551, 80.8741**, and if you desaturate by 10%, it is **29.8473, 33.4555, 81.9759**.

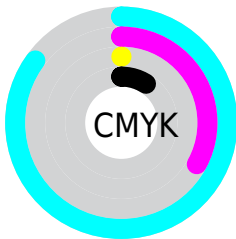
Distribution



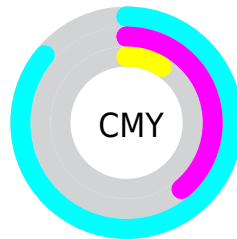
- Red (14%)
- Green (61%)
- Blue (91%)



- Red (14%)
- Yellow (43%)
- Blue (91%)



- Cyan (85%)
- Magenta (33%)
- Yellow (0%)
- Black (9%)



- Cyan (86%)
- Magenta (39%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1569, 29.7009, 81.3923 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 27.1569, 29.7009, 81.3923 by changing the saturation by 10% instead.

■ 27.1569, 29.7009,
81.3923

■ 27.1569, 29.7009,
81.3923

280.5697,
300.5078, 519.4427

■ 17.8283, 19.6117,
60.3319

■ 54.5537, 59.1888,
137.1505

■ 10.9257, 12.1131,
43.2591

■ 73.3525, 79.3564,
172.6853

■ 6.0838, 6.8207,
29.7556

■ 96.0388, 103.6521,
213.8820

■ 2.9373, 3.3502,
19.4027

■ 122.9779,
132.4604, 261.1592

■ 1.1207, 1.3172,
11.7818

■ 154.5352,
166.1658, 314.9353

■ 0.0423, 0.1545,
6.4746

191.0761,

■ 0.0000, 0.0000,

205.1525, 375.6288

3.0623

232.9658,
249.8051, 443.6585

■ 0.0000, 0.0000,
1.1265

■ 0.0000, 0.0000,
0.0000

■ 27.1569, 29.7009,
81.3923

■ 27.1569, 29.7009,
81.3923

■ 25.1142, 26.4551,
80.8741

■ 29.8473, 33.4555,
81.9759

■ 24.1942, 24.8553,
80.6138

■ 33.2731, 37.7668,
82.6275

■ 37.5106, 42.6781,
83.3521

■ 42.6247, 48.2264,
84.1535

■ 48.6732, 54.4449,
85.0350

■ 55.7085, 61.3640,
85.9997

■ 63.7791, 69.0120,
87.0505

■ 72.9301, 77.4151,
88.1902

■ 83.2036, 86.5983,
89.4213

Harmonies

Analogous

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



21.7563, 29.7009, 70.3861



27.1569, 29.7009, 81.3923



33.7113, 29.7009, 75.7439

Triad

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



27.1569, 29.7009, 81.3923



40.8637, 29.7009, 19.6968



19.3445, 29.7009, 16.0715

Complementary

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



27.1569, 29.7009, 81.3923



39.9433, 29.4912, 5.2581

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.



23.3773, 29.7009, 9.8127



27.1569, 29.7009, 81.3923



35.8748, 29.7009, 11.2864

Square

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



27.1569, 29.7009, 81.3923



42.2765, 29.7009, 35.5527



29.3306, 29.7009, 8.4677



17.7002, 29.7009, 29.3255

Rectangle

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



27.1569, 29.7009, 81.3923



37.7933, 29.7009, 64.0977



29.3306, 29.7009, 8.4677



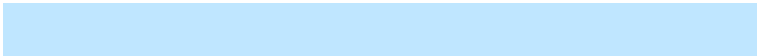
20.4333, 29.7009, 13.3108

Sweetspot

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



27.1581, 29.7019, 81.3931



67.8278, 74.7868, 105.4681



32.7662, 59.8132, 25.0111



13.8406, 15.3482, 22.4830



0.0000, 0.0000, 0.0000



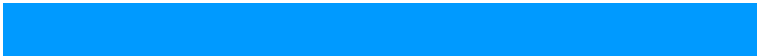
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.1581, 29.7019, 81.3931



29.6096, 30.3392, 98.9032



17.0007, 9.3871, 78.0073



14.9882, 16.0628, 19.2327



13.8524, 14.3519, 45.7831



1.1812, 1.3138, 3.6262

Inverse Universe

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



40.1526, 20.9536, 32.9391



47.0748, 23.5939, 32.6554



56.9749, 63.5545, 10.9353



15.4476, 15.2069, 17.6422



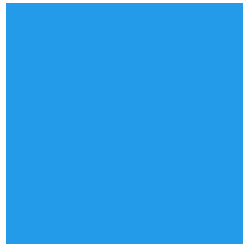
21.8474, 10.9416, 15.5295



1.7627, 0.8780, 1.4678

Previews

White Background



This preview shows how the XYZ color 27.1569, 29.7009, 81.3923 looks on a white background.

Color Contrast Check

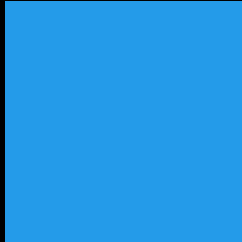
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1569, 29.7009, 81.3923 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

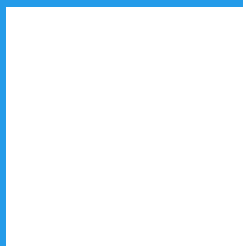
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.1569, 29.7009, 81.3923

Background



This preview shows how black text looks on a background with the XYZ color 27.1569, 29.7009, 81.3923.

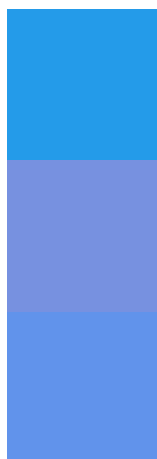


This preview shows how white text looks on a background with the XYZ color 27.1569, 29.7009,

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

27.1569, 29.7009, 81.3923

Protanopia

31.1877, 29.5546, 74.5818

Deuteranopia

30.3589, 29.4070, 82.6733



Tritanopia

21.1119, 29.6855, 45.6915

Trichromacy



Original Color

27.1569, 29.7009, 81.3923

Protanomaly

28.7324, 29.1648, 76.7881

Deuteranomaly

28.6593, 29.2491, 81.9770

Tritanomaly

22.9889, 29.6065, 57.3263

Monochromacy



Original Color

27.1569, 29.7009, 81.3923

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.6907, 23.3630, 39.4954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1569, 29.7009, 81.3923 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, 155, 233)` looks like.

```
.text, #text, p{  
    color:rgb(36, 155, 233)  
}
```

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, 155, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 155, 233) }
```

Border

The CSS property to change the border of an element to XYZ 27.1569, 29.7009, 81.3923 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, 155, 233) }
```


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

```
.border{ border-color:rgb(36, 155, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 155, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 155, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 155, 233);  
box-shadow:4px 4px 4px 4px rgb(36, 155,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1569, 29.7009, 81.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 155, 233) }
```

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

```
.background{ background-color: rgb(36, 155,  
233) }
```

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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