

Converting Colors

XYZ(23.8967, 24.8570, 76.2114)

Have a look what the booklet for
XYZ(23.8967, 24.8570, 76.2114)
contains.

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Color

**XYZ(23.8967, 24.8570,
76.2114)**

Conversions

Conversions Part 1

Format	Color
Hex	1D8DE3
RGB	29, 141, 227
RGB Percent	11%, 55%, 89%
CMY	0.8862, 0.4471, 0.1098
CMYK	0.87, 0.38, 0.00, 0.11
HSL	206°, 78%, 50%
HSV	206°, 87%, 89%
XYZ	23.8967, 24.8570, 76.2114
YIQ	117.3160, -94.3580, 3.0020

Conversions

Conversions Part 2

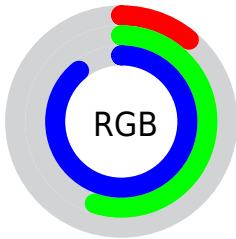
Format	Color
R_{YB}	29, 101, 227
Decimal	1936867
CIE _{Lab}	56.94, 1.20, -51.82
CIE _{LCh}	57, 51.838, 271.323
Yxy	24.8570, 0.1912, 0.1989
Android (android.graphics.Color)	4280126947 (0xFF1D8DE3)
YUV	117.3160, 54.0742, -77.4531
Hunter-Lab	49.8568, -1.6931, -55.7313

Details

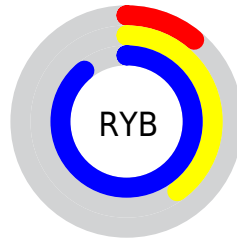
The XYZ color **23.8967, 24.8570, 76.2114** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **38.0346, 28.6873, 4.6967**, and the grayscale version is **16.8676, 17.7461, 19.3255**.

A 20% lighter version of the original color is **44.0239, 49.2483, 101.7933**, and **11.1778, 10.5946, 39.9839** is the 20% darker color. If you saturate the color by 10%, you get **22.0796, 21.8572, 75.7287**, and if you desaturate by 10%, it is **26.3118, 28.3577, 76.7604**.

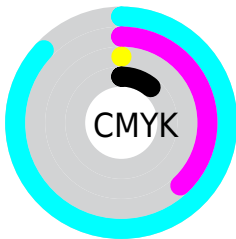
Distribution



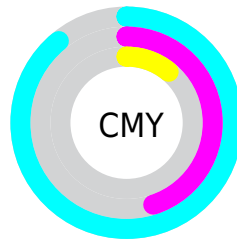
- Red (11%)
- Green (55%)
- Blue (89%)



- Red (11%)
- Yellow (40%)
- Blue (89%)



- Cyan (87%)
- Magenta (38%)
- Yellow (0%)
- Black (11%)



- Cyan (89%)
- Magenta (45%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8967, 24.8570, 76.2114 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 23.8967, 24.8570, 76.2114 by changing the saturation by 10% instead.

■ 23.8967, 24.8570,
76.2114

■ 23.8967, 24.8570,
76.2114

264.7480,
277.1250, 501.4371

■ 15.3813, 15.9705,
56.0982

■ 49.3175, 51.4251,
129.7885

■ 9.1755, 9.5033,
39.8771

■ 66.9536, 69.8756,
164.0895

■ 4.9139, 5.0709,
27.1297

■ 88.3607, 92.2829,
203.9568

■ 2.2310, 2.2889,
17.4374

■ 113.9041,
119.0314, 249.8090

■ 0.7590, 0.7678,
10.3816

■ 143.9492,
150.5054, 302.0645

■ 0.0000, 0.0000,
5.5438

178.8613,

■ 0.0000, 0.0000,

187.0895, 361.1421

2.5054

219.0058,
229.1679, 427.4601

■ 0.0000, 0.0000,
0.8430

■ 0.0000, 0.0000,
0.0000

■ 23.8967, 24.8570,
76.2114

■ 23.8967, 24.8570,
76.2114

■ 22.0796, 21.8572,
75.7287

■ 26.3118, 28.3577,
76.7604

■ 21.6356, 21.0869,
75.6034

■ 29.4187, 32.4119,
77.3792

■ 33.2929, 37.0632,
78.0728

■ 37.9981, 42.3491,
78.8450

■ 43.5908, 48.3029,
79.6995

■ 50.1223, 54.9554,
80.6393

■ 57.6396, 62.3348,
81.6675

■ 66.1863, 70.4676,
82.7868

■ 75.8034, 79.3788,
83.9999

Harmonies

Analogous

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



18.4496, 24.8570, 68.3308



23.8967, 24.8570, 76.2114



30.2372, 24.8570, 66.9079

Triad

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



23.8967, 24.8570, 76.2114



35.0818, 24.8570, 13.1274



14.7841, 24.8570, 13.9711

Complementary

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



23.8967, 24.8570, 76.2114



38.0346, 28.6873, 4.6967

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.



18.0561, 24.8570, 7.3594



23.8967, 24.8570, 76.2114



29.6896, 24.8570, 7.0398

Square

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



23.8967, 24.8570, 76.2114



37.3416, 24.8570, 26.2996



23.3570, 24.8570, 5.4990



13.7621, 24.8570, 27.8452

Rectangle

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



23.8967, 24.8570, 76.2114



33.9745, 24.8570, 53.8330



23.3570, 24.8570, 5.4990



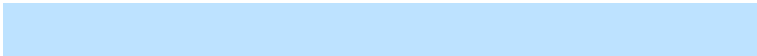
15.6261, 24.8570, 11.0739

Sweetspot

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



23.8977, 24.8578, 76.2121



66.2125, 72.5017, 105.1122



31.0606, 56.4337, 25.4197



13.4972, 14.8422, 22.4034



0.0000, 0.0000, 0.0000



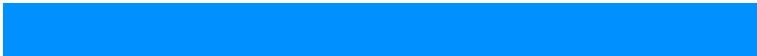
20.3446, 21.4041, 23.3091

Same Dimension

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



23.8977, 24.8578, 76.2121



28.0579, 27.2358, 98.3860



15.2086, 7.4796, 73.3157



14.2559, 15.2332, 18.3333



12.7360, 12.5341, 44.1312



1.0331, 1.1102, 3.2918

Inverse Universe

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



36.9266, 19.1342, 26.9468



46.2915, 23.2806, 28.5310



55.8975, 64.4130, 10.6510



14.7168, 14.5039, 16.7088



20.8220, 10.4630, 13.2238



1.5851, 0.7918, 1.2217

Previews

White Background



This preview shows how the XYZ color 23.8967, 24.8570, 76.2114 looks on a white background.

Color Contrast Check

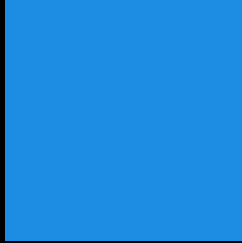
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8967, 24.8570, 76.2114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

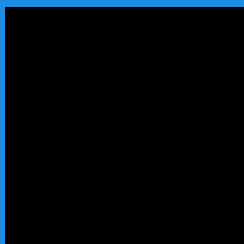
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

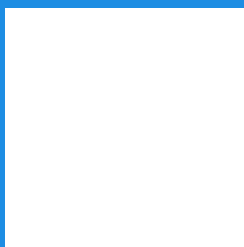
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8967, 24.8570, 76.2114

Background



This preview shows how black text looks on a background with the XYZ color 23.8967, 24.8570, 76.2114.



This preview shows how white text looks on a background with the XYZ color 23.8967, 24.8570,

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

23.8967, 24.8570, 76.2114

Protanopia

26.6532, 24.7143, 70.3834

Deuteranopia

25.6217, 24.8705, 76.8489



Tritanopia

17.5882, 24.7419, 38.0311

Trichromacy



Original Color

23.8967, 24.8570, 76.2114

Protanomaly

24.8906, 24.3781, 72.5008

Deuteranomaly

24.7230, 24.6191, 76.8477

Tritanomaly

19.4347, 24.4838, 50.1559

Monochromacy



Original Color

23.8967, 24.8570, 76.2114

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.2930, 19.2873, 34.7097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8967, 24.8570, 76.2114 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(29, 141, 227)` looks like.

```
.text, #text, p{  
    color:rgb(29, 141, 227)  
}
```

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(29, 141, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 141, 227) }
```

Border

The CSS property to change the border of an element to XYZ 23.8967, 24.8570, 76.2114 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(29, 141, 227) }
```


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

```
.border{ border-color:rgb(29, 141, 227) }
```

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

Here you see how a box with a 4 pixel rgb(29, 141, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 141, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 141, 227);  
box-shadow:4px 4px 4px 4px rgb(29, 141,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8967, 24.8570, 76.2114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 141, 227) }
```

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

```
.background{ background-color: rgb(29, 141,  
227) }
```

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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