

Converting Colors

XYZ(29.6449, 24.1878, 97.7139)

Have a look what the booklet for
XYZ(29.6449, 24.1878, 97.7139)
contains.

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Color

**XYZ(29.7273, 24.3154,
97.7343)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7EFF
RGB	90, 126, 255
RGB Percent	35%, 49%, 100%
CMY	0.6470, 0.5059, 0.0000
CMYK	0.65, 0.51, 0.00, 0.00
HSL	227°, 100%, 68%
HSV	227°, 65%, 100%
XYZ	29.7273, 24.3154, 97.7343
YIQ	129.9420, -62.8650, 32.4870

Conversions

Conversions Part 2

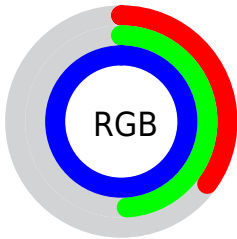
Format	Color
R _Y B	90, 120, 255
Decimal	5930751
CIE Lab	56.40, 27.32, -68.10
CIE LCh	56, 73.371, 291.860
Yxy	24.3154, 0.1959, 0.1602
Android (android.graphics.Color)	4284120831 (0xFF5A7EFF)
YUV	129.9420, 61.6536, -35.0291
Hunter-Lab	49.3106, 21.3165, -82.9960

Details

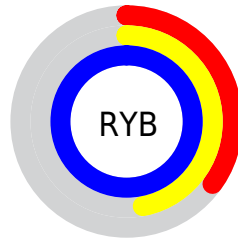
The XYZ color **29.7273, 24.3154, 97.7343** is a light color, and the websafe version is hex **6666CC**. The color can be described as light muted azure. A complement of this color would be **68.4195, 72.6657, 20.0947**, and the grayscale version is **21.0039, 22.0978, 24.0645**.

A 20% lighter version of the original color is **47.2968, 45.9308, 100.9805**, and **12.8024, 9.4800, 53.9784** is the 20% darker color. If you saturate the color by 10%, you get **25.3582, 18.6483, 96.8707**, and if you desaturate by 10%, it is **35.4567, 31.4382, 98.8071**.

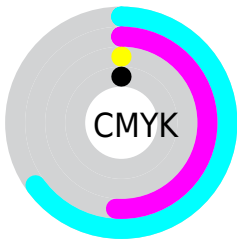
Distribution



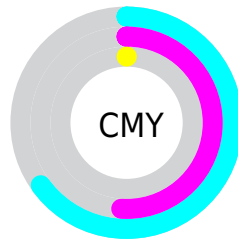
- Red (35%)
- Green (49%)
- Blue (100%)



- Red (35%)
- Yellow (47%)
- Blue (100%)



- Cyan (65%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7273, 24.3154, 97.7343 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 29.7273, 24.3154, 97.7343 by changing the saturation by 10% instead.

■ 29.7273, 24.3154,
97.7343

■ 29.7273, 24.3154,
97.7343

292.5640,
274.4112, 574.0884

■ 19.7787, 15.5678,
73.8034

■ 58.6202, 50.5444,
160.0647

■ 12.3416, 9.2188,
54.1373

■ 78.2953, 68.7945,
199.3013

■ 7.0506, 4.8842,
38.3175

■ 101.9433, 90.9810,
244.4769

■ 3.5404, 2.1795,
25.9255

■ 129.9295,
117.4881, 296.0100

■ 1.4456, 0.7088,
16.5426

162.6194,
148.7002, 354.3192

■ 0.2883, 0.0000,
9.7505

200.3781,

■ 0.0000, 0.0000,

185.0019, 419.8229

5.1304

243.5712,
226.7774, 492.9398

■ 0.0000, 0.0000,
2.2639

■ 0.0000, 0.0000,
0.7109

■ 29.7273, 24.3154,
97.7343

■ 29.7273, 24.3154,
97.7343

■ 25.3582, 18.6483,
96.8707

■ 35.4567, 31.4382,
98.8071

■ 22.2249, 14.3273,
96.2018

■ 42.6497, 40.1107,
100.1020

■ 20.1829, 11.2280,
95.7112

■ 51.4024, 50.4212,
101.6308

■ 19.4461, 10.0123,
95.5154

■ 61.8018, 62.4501,
103.4045

■ 73.9283, 76.2728,
105.4334

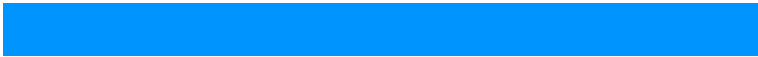
■ 87.8571, 91.9599,
107.7272

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



20.8791, 24.3154, 104.7923



29.7273, 24.3154, 97.7343



38.4483, 24.3154, 67.0378

Triad

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



29.7273, 24.3154, 97.7343



34.7104, 24.3154, 4.1164



10.4389, 24.3154, 20.4003

Complementary

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



29.7273, 24.3154, 97.7343



68.4195, 72.6657, 20.0947

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.



12.5151, 24.3154, 6.8435



29.7273, 24.3154, 97.7343



25.4967, 24.3154, 1.9358

Square

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



29.7273, 24.3154, 97.7343



41.7806, 24.3154, 12.6196



17.5574, 24.3154, 2.4857



11.0435, 24.3154, 47.9393

Rectangle

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



29.7273, 24.3154, 97.7343



42.3201, 24.3154, 43.8314



17.5574, 24.3154, 2.4857



10.8238, 24.3154, 14.4385

Sweetspot

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



29.7283, 24.3161, 97.7344



68.5001, 70.1078, 104.5296



52.4370, 78.6780, 77.7293



13.9274, 14.1680, 22.2506



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.



29.7283, 24.3161, 97.7344



24.1948, 17.0802, 96.6294



31.5395, 19.6028, 96.7291



17.3242, 18.0200, 22.8151



10.2496, 5.4087, 49.9384



1.0741, 0.6789, 4.8877

Inverse Universe

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



48.6629, 30.0803, 22.9802



44.9346, 25.0083, 14.3861



64.4705, 86.1076, 22.8974



18.1715, 18.0519, 19.5205



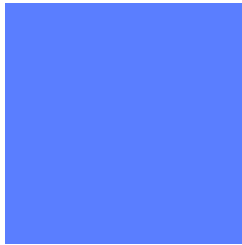
21.9617, 11.2740, 3.1829



2.1768, 1.1131, 0.5123

Previews

White Background



This preview shows how the XYZ color 29.7273, 24.3154, 97.7343 looks on a white background.

Color Contrast Check

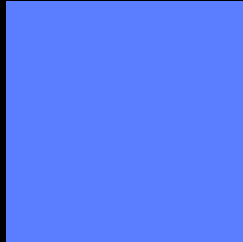
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7273, 24.3154, 97.7343 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 29.7273, 24.3154, 97.7343

Background



This preview shows how black text looks on a background with the XYZ color 29.7273, 24.3154, 97.7343.



This preview shows how white text looks on a background with the XYZ color 29.7273, 24.3154,

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

29.7273, 24.3154, 97.7343

Protanopia

28.2126, 24.3091, 97.8129

Deuteranopia

24.8228, 24.2422, 86.5900



Tritanopia

17.6872, 24.3293, 37.4820

Trichromacy



Original Color

29.7273, 24.3154, 97.7343

Protanomaly

28.7243, 24.3764, 97.7989

Deuteranomaly

25.6493, 23.7522, 90.4216

Tritanomaly

20.7404, 23.6937, 55.1100

Monochromacy



Original Color

29.7273, 24.3154, 97.7343

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.6584, 22.4405, 43.6947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7273, 24.3154, 97.7343 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(90, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(90, 126, 255)  
}
```

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(90, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 126, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.7273, 24.3154, 97.7343 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(90, 126, 255) }
```


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

```
.border{ border-color:rgb(90, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(90, 126,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7273, 24.3154, 97.7343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 126, 255) }
```

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

```
.background{ background-color: rgb(90, 126,  
255) }
```

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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