

Converting Colors

XYZ(29.7693, 25.0282, 75.1753)

Have a look what the booklet for
XYZ(29.7693, 25.0282, 75.1753)
contains.

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Color

**XYZ(29.7743, 25.0297,
75.2134)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7FE2
RGB	125, 127, 226
RGB Percent	49%, 50%, 89%
CMY	0.5098, 0.5020, 0.1137
CMYK	0.45, 0.44, 0.00, 0.11
HSL	239°, 64%, 69%
HSV	239°, 45%, 89%
XYZ	29.7743, 25.0297, 75.2134
YIQ	137.6880, -32.9710, 30.3650

Conversions

Conversions Part 2

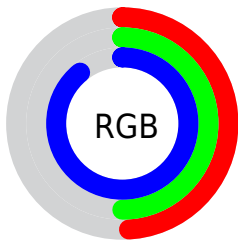
Format	Color
RYB	125, 127, 226
Decimal	8224738
CIELab	57.10, 24.47, -50.76
CIELCh	57, 56.347, 295.741
Yxy	25.0297, 0.2290, 0.1925
Android (android.graphics.Color)	4286414818 (0xFF7D7FE2)
YUV	137.6880, 43.5378, -11.1274
Hunter-Lab	50.0297, 18.6792, -54.1143

Details

The XYZ color **29.7743, 25.0297, 75.2134** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **61.7228, 70.9628, 29.8477**, and the grayscale version is **23.8882, 25.1323, 27.3691**.

A 20% lighter version of the original color is **53.6627, 49.8076, 101.3932**, and **12.3640, 9.5800, 39.2277** is the 20% darker color. If you saturate the color by 10%, you get **24.2892, 18.4119, 74.2256**, and if you desaturate by 10%, it is **36.6409, 33.2941, 76.4472**.

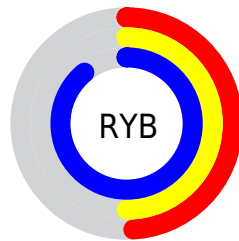
Distribution



Red (49%)

Green (50%)

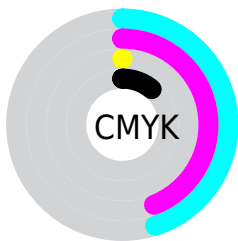
Blue (89%)



Red (49%)

Yellow (50%)

Blue (89%)

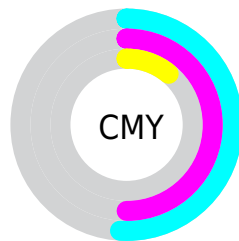


Cyan (45%)

Magenta (44%)

Yellow (0%)

Black (11%)



Cyan (51%)

Magenta (50%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7743, 25.0297, 75.2134 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 29.7743, 25.0297, 75.2134 by changing the saturation by 10% instead.

■ 29.7743, 25.0297,
75.2134

■ 29.7743, 25.0297,
75.2134

292.7797,
277.9858, 497.9257

■ 19.8146, 16.0992,
55.2849

■ 58.6941, 51.7054,
128.3643

■ 12.3678, 9.5944,
39.2298

■ 78.3850, 70.2194,
162.4238

■ 7.0687, 5.1308,
26.6293

■ 102.0502, 92.6966,
202.0307

■ 3.5518, 2.3242,
17.0651

130.0552,
119.5215, 247.6036

■ 1.4518, 0.7865,
10.1184

162.7652,
151.0785, 299.5610

■ 0.2927, 0.0000,
5.3709

200.5458,

■ 0.0000, 0.0000,

187.7520, 358.3215

2.4040

243.7622,
229.9263, 424.3035

■ 0.0000, 0.0000,
0.7886

■ 0.0000, 0.0000,
0.0000

■ 29.7743, 25.0297,
75.2134

■ 29.7743, 25.0297,
75.2134

■ 24.2892, 18.4119,
74.2256

■ 36.6409, 33.2941,
76.4472

■ 20.0894, 13.3280,
73.4657

■ 44.9706, 43.3023,
77.9399

■ 17.0710, 9.6557,
72.9160

■ 54.8423, 55.1471,
79.7059

■ 15.1130, 7.2527,
72.5553

■ 66.3282, 68.9139,
81.7578

■ 14.0680, 5.9468,
72.3583

■ 79.4961, 84.6829,
84.1075

■ 13.7761, 5.5880,
72.3045

■ 90.7276, 98.2710,
86.1383

Harmonies

Analogous

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



22.8547, 25.0297, 82.3666



29.7743, 25.0297, 75.2134



35.9738, 25.0297, 53.4407

Triad

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



29.7743, 25.0297, 75.2134



31.7217, 25.0297, 6.8313



13.1976, 25.0297, 24.6279

Complementary

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



29.7743, 25.0297, 75.2134



61.7228, 70.9628, 29.8477

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.



14.7241, 25.0297, 11.4213



29.7743, 25.0297, 75.2134



24.7504, 25.0297, 4.6386

Square

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



29.7743, 25.0297, 75.2134



37.2369, 25.0297, 14.2617



18.6666, 25.0297, 5.8080



14.0464, 25.0297, 46.4085

Rectangle

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



29.7743, 25.0297, 75.2134



38.4266, 25.0297, 37.2832



18.6666, 25.0297, 5.8080



13.4407, 25.0297, 19.2055

Sweetspot

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



29.7753, 25.0306, 75.2140



74.3840, 75.2374, 105.2096



48.9247, 64.0614, 79.3402



15.2492, 15.2980, 22.3990



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.



29.7753, 25.0306, 75.2140



32.1457, 24.4612, 97.6350



38.1049, 28.9455, 75.5307



12.9737, 13.2865, 17.2684



7.8693, 3.2081, 41.2528



0.5532, 0.2379, 2.8620

Inverse Universe

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



42.5293, 32.3696, 24.0857



51.0279, 35.4092, 21.9218



49.4587, 65.4420, 29.4284



13.7182, 13.7049, 14.2861



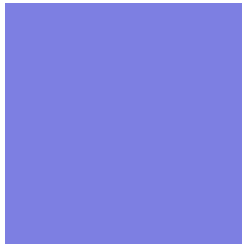
17.9123, 9.2319, 0.9378



1.2455, 0.6415, 0.0857

Previews

White Background



This preview shows how the XYZ color 29.7743, 25.0297, 75.2134 looks on a white background.

Color Contrast Check

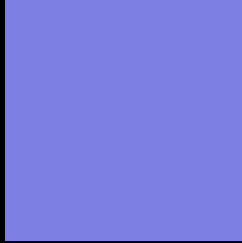
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7743, 25.0297, 75.2134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

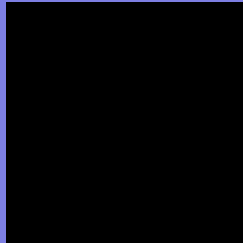
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.7743, 25.0297, 75.2134

Background



This preview shows how black text looks on a background with the XYZ color 29.7743, 25.0297, 75.2134.



This preview shows how white text looks on a background with the XYZ color 29.7743, 25.0297,

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

29.7743, 25.0297, 75.2134

Protanopia

27.8099, 25.3093, 79.7634

Deuteranopia

25.9675, 25.1121, 73.9995



Tritanopia

21.5991, 25.0422, 34.2671

Trichromacy



Original Color

29.7743, 25.0297, 75.2134

Protanomaly

28.3431, 25.0099, 78.1965

Deuteranomaly

27.0151, 24.8080, 74.5987

Tritanomaly

23.9939, 24.6973, 46.6825

Monochromacy



Original Color

29.7743, 25.0297, 75.2134

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.4537, 24.9390, 41.5024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7743, 25.0297, 75.2134 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(125, 127, 226)` looks like.

```
.text, #text, p{  
    color:rgb(125, 127, 226)  
}
```

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(125, 127, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 127, 226) }
```

Border

The CSS property to change the border of an element to XYZ 29.7743, 25.0297, 75.2134 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(125, 127, 226) }
```


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

```
.border{ border-color:rgb(125, 127, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 127, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 127, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 127, 226);  
box-shadow:4px 4px 4px 4px rgb(125, 127,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7743, 25.0297, 75.2134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 127, 226) }
```

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

```
.background{ background-color: rgb(125,  
127, 226) }
```

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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