

Converting Colors

XYZ(27.2216, 23.7439, 65.3703)

Have a look what the booklet for
XYZ(27.2216, 23.7439, 65.3703)
contains.

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Color

**XYZ(27.2297, 23.7401,
65.4345)**

Conversions

Conversions Part 1

Format	Color
Hex	797ED4
RGB	121, 126, 212
RGB Percent	47%, 49%, 83%
CMY	0.5255, 0.5059, 0.1686
CMYK	0.43, 0.41, 0.00, 0.17
HSL	237°, 51%, 65%
HSV	237°, 43%, 83%
XYZ	27.2297, 23.7401, 65.4345
YIQ	134.3090, -30.5860, 25.6860

Conversions

Conversions Part 2

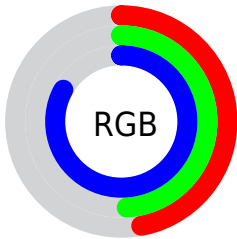
Format	Color
RYB	121, 126, 212
Decimal	7962324
CIELab	55.83, 20.02, -44.94
CIELCh	56, 49.194, 294.009
Yxy	23.7401, 0.2339, 0.2039
Android (android.graphics.Color)	4286152404 (0xFF797ED4)
YUV	134.3090, 38.3017, -11.6720
Hunter-Lab	48.7238, 14.4895, -45.5179

Details

The XYZ color **27.2297, 23.7401, 65.4345** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **52.9166, 60.0049, 26.8837**, and the grayscale version is **22.6459, 23.8253, 25.9457**.

A 20% lighter version of the original color is **52.3016, 48.8073, 101.2719**, and **10.9864, 8.9003, 33.0372** is the 20% darker color. If you saturate the color by 10%, you get **22.2682, 17.7528, 64.5408**, and if you desaturate by 10%, it is **33.3589, 31.0918, 66.5309**.

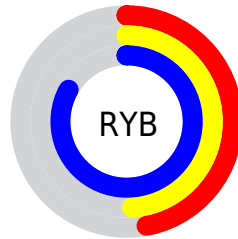
Distribution



Red (47%)

Green (49%)

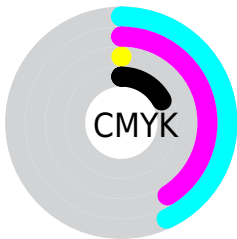
Blue (83%)



Red (47%)

Yellow (49%)

Blue (83%)

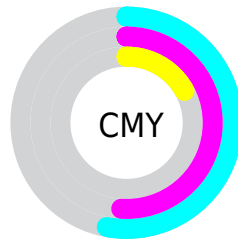


Cyan (43%)

Magenta (41%)

Yellow (0%)

Black (17%)



Cyan (53%)

Magenta (51%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2297, 23.7401, 65.4345 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 27.2297, 23.7401, 65.4345 by changing the saturation by 10% instead.

■ 27.2297, 23.7401,
65.4345

■ 27.2297, 23.7401,
65.4345

280.9149,
271.5039, 462.7006

■ 17.8833, 15.1409,
47.3599

■ 54.6695, 49.6057,
114.2936

■ 10.9654, 8.9184,
32.9639

■ 73.4937, 67.6410,
145.9151

■ 6.1107, 4.6880,
21.8279

■ 96.2077, 89.5905,
182.8894

■ 2.9538, 2.0654,
13.5334

123.1771,
115.8385, 225.6349

■ 1.1294, 0.6450,
7.6618

154.7672,
146.7694, 274.5703

■ 0.0495, 0.0000,
3.7947

191.3433,

■ 0.0000, 0.0000,

182.7677, 330.1140

1.5134

233.2707,
224.2177, 392.6846

■ 0.0000, 0.0000,
0.2279

■ 0.0000, 0.0000,
0.0000

■ 27.2297, 23.7401,
65.4345

■ 27.2297, 23.7401,
65.4345

■ 22.2682, 17.7528,
64.5408

■ 33.3589, 31.0918,
66.5309

■ 18.3976, 13.0433,
63.8358

■ 40.7205, 39.8819,
67.8396

■ 15.5363, 9.5194,
63.3064

■ 49.3780, 50.1825,
69.3715

■ 13.5899, 7.0752,
62.9372

■ 59.3894, 62.0598,
71.1364

■ 12.4463, 5.5861,
62.7101

■ 70.8093, 75.5762,
73.1434

■ 12.0109, 5.0079,
62.6214

■ 83.6894, 90.7907,
75.4013

■ 88.8838, 97.5335,
76.4290

Harmonies

Analogous

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



21.4601, 23.7401, 70.1827



27.2297, 23.7401, 65.4345



32.4339, 23.7401, 48.5063

Triad

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



27.2297, 23.7401, 65.4345



29.4938, 23.7401, 8.0773



13.4683, 23.7401, 22.7652

Complementary

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



27.2297, 23.7401, 65.4345



52.9166, 60.0049, 26.8837

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.



14.9323, 23.7401, 11.6434



27.2297, 23.7401, 65.4345



23.7056, 23.7401, 5.7222

Square

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



27.2297, 23.7401, 65.4345



33.8849, 23.7401, 15.2319



18.4647, 23.7401, 6.6854



14.0959, 23.7401, 40.5176

Rectangle

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



27.2297, 23.7401, 65.4345



34.5639, 23.7401, 35.2978



18.4647, 23.7401, 6.6854



13.7234, 23.7401, 18.2574

Sweetspot

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



27.2306, 23.7410, 65.4351



74.6955, 75.8603, 105.3134



42.5620, 55.6056, 66.8404



15.3247, 15.4490, 22.4242



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.



27.2306, 23.7410, 65.4351



34.0733, 27.2677, 98.0751



33.3062, 25.9479, 65.5408



11.7968, 12.1170, 15.6546



7.4382, 3.1382, 38.6669



0.4683, 0.2287, 2.3388

Inverse Universe

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



37.7555, 29.1794, 23.3815



52.2567, 36.8807, 25.3719



44.1335, 57.3031, 26.8251



12.4506, 12.4318, 13.0473



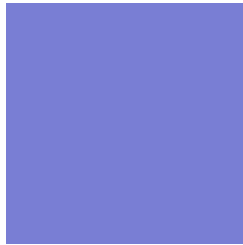
16.8133, 8.6617, 1.0551



1.0240, 0.5264, 0.1160

Previews

White Background



This preview shows how the XYZ color 27.2297, 23.7401, 65.4345 looks on a white background.

Color Contrast Check

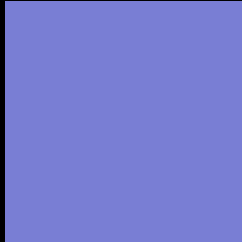
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2297, 23.7401, 65.4345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

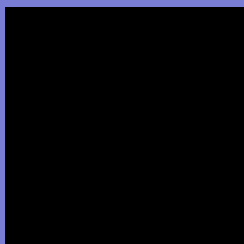
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.2297, 23.7401, 65.4345

Background



This preview shows how black text looks on a background with the XYZ color 27.2297, 23.7401, 65.4345.



This preview shows how white text looks on a background with the XYZ color 27.2297, 23.7401,

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

27.2297, 23.7401, 65.4345

Protanopia

25.7665, 23.8998, 68.2208

Deuteranopia

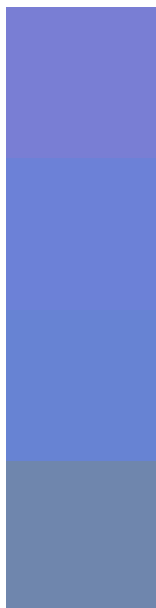
24.5716, 23.9786, 64.3060



Tritanopia

20.5633, 23.6705, 32.3392

Trichromacy



Original Color

27.2297, 23.7401, 65.4345

Protanomaly

26.3003, 23.7950, 67.4967

Deuteranomaly

25.4677, 23.8193, 64.8833

Tritanomaly

22.6235, 23.4468, 42.8685

Monochromacy



Original Color

27.2297, 23.7401, 65.4345

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.6911, 23.5084, 37.4713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2297, 23.7401, 65.4345 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(121, 126, 212)` looks like.

```
.text, #text, p{  
    color:rgb(121, 126, 212)  
}
```

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(121, 126, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 126, 212) }
```

Border

The CSS property to change the border of an element to XYZ 27.2297, 23.7401, 65.4345 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(121, 126, 212) }
```


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

```
.border{ border-color:rgb(121, 126, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 126, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 126, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 126, 212);  
box-shadow:4px 4px 4px 4px rgb(121, 126,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2297, 23.7401, 65.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 126, 212) }
```

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

```
.background{ background-color: rgb(121,  
126, 212) }
```

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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