

Converting Colors

XYZ(29.4063, 23.1104, 83.1478)

Have a look what the booklet for
XYZ(29.4063, 23.1104, 83.1478)
contains.

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Color

**XYZ(29.4906, 23.2300,
83.0503)**

Conversions

Conversions Part 1

Format	Color
Hex	7777ED
RGB	119, 119, 237
RGB Percent	47%, 47%, 93%
CMY	0.5333, 0.5333, 0.0706
CMYK	0.50, 0.50, 0.00, 0.07
HSL	240°, 77%, 70%
HSV	240°, 50%, 93%
XYZ	29.4906, 23.2300, 83.0503
YIQ	132.4520, -37.8780, 36.6980

Conversions

Conversions Part 2

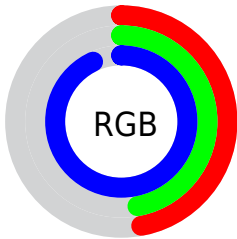
Format	Color
R _Y B	119, 119, 237
Decimal	7829485
CIE Lab	55.31, 31.13, -59.79
CIE LCh	55, 67.409, 297.504
Yxy	23.2300, 0.2172, 0.1711
Android (android.graphics.Color)	4286019565 (0xFF7777ED)
YUV	132.4520, 51.5422, -11.7974
Hunter-Lab	48.1975, 24.8731, -68.4258

Details

The XYZ color **29.4906, 23.2300, 83.0503** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **68.5383, 79.9047, 29.2640**, and the grayscale version is **21.9255, 23.0674, 25.1203**.

A 20% lighter version of the original color is **50.7444, 45.6929, 100.7528**, and **12.1788, 8.6716, 44.2119** is the 20% darker color. If you saturate the color by 10%, you get **24.1567, 16.8026, 82.0913**, and if you desaturate by 10%, it is **36.3405, 31.4832, 84.2828**.

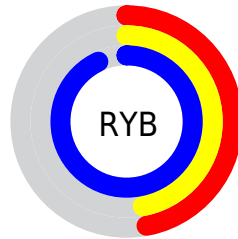
Distribution



Red (47%)

Green (47%)

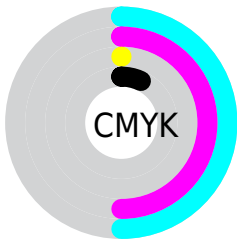
Blue (93%)



Red (47%)

Yellow (47%)

Blue (93%)

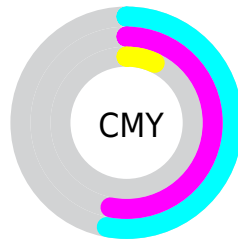


Cyan (50%)

Magenta (50%)

Yellow (0%)

Black (7%)



Cyan (53%)

Magenta (53%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4906, 23.2300, 83.0503 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 29.4906, 23.2300, 83.0503 by changing the saturation by 10% instead.

■ 29.4906, 23.2300,
83.0503

■ 29.4906, 23.2300,
83.0503

291.4754,
268.9041, 525.1295

■ 19.5984, 14.7634,
61.6908

■ 58.2478, 48.7707,
139.4958

■ 12.2100, 8.6535,
44.3487

■ 77.8436, 66.6136,
175.4188

■ 6.9601, 4.5159,
30.6056

■ 101.4046, 88.3508,
217.0335

■ 3.4833, 1.9661,
20.0427

129.2961,
114.3666, 264.7582

■ 1.4142, 0.5877,
12.2417

161.8836,
145.0455, 319.0117

■ 0.2663, 0.0000,
6.7840

199.5324,

■ 0.0000, 0.0000,

180.7717, 380.2124

3.2510

242.6079,
221.9298, 448.7788

■ 0.0000, 0.0000,
1.2242

■ 0.0000, 0.0000,
0.0000

■ 29.4906, 23.2300,
83.0503

■ 29.4906, 23.2300,
83.0503

■ 24.1567, 16.8026,
82.0913

■ 36.3405, 31.4832,
84.2828

■ 20.2211, 12.0604,
81.3834

■ 44.8062, 41.6838,
85.8055

■ 17.5536, 8.8464,
80.9036

■ 54.9826, 53.9459,
87.6360

■ 15.9986, 6.9728,
80.6240

■ 66.9565, 68.3737,
89.7897

■ 15.2980, 6.1286,
80.4979

■ 80.8087, 85.0648,
92.2814

■ 15.2863, 6.1145,
80.4958

■ 92.2862, 98.8945,
94.3458

Harmonies

Analogous

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



21.4529, 23.2300, 93.7828



29.4906, 23.2300, 83.0503



36.7381, 23.2300, 54.8749

Triad

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



29.4906, 23.2300, 83.0503



30.8395, 23.2300, 3.9291



10.5139, 23.2300, 23.5248

Complementary

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



29.4906, 23.2300, 83.0503



68.5383, 79.9047, 29.2640

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.



11.9536, 23.2300, 8.8796



29.4906, 23.2300, 83.0503



22.7180, 23.2300, 2.3394

Square

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



29.4906, 23.2300, 83.0503



37.6335, 23.2300, 10.5345



16.0272, 23.2300, 3.4285



11.5383, 23.2300, 49.7825

Rectangle

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



29.4906, 23.2300, 83.0503



39.5158, 23.2300, 35.4053



16.0272, 23.2300, 3.4285



10.7167, 23.2300, 17.3175

Sweetspot

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



29.4916, 23.2308, 83.0509



71.3398, 71.4305, 104.6352



53.1785, 70.6053, 90.9467



14.6424, 14.5332, 22.2834



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.



29.4916, 23.2308, 83.0509



28.2814, 19.5478, 96.8903



40.2435, 28.7736, 83.5541



14.2313, 14.5490, 18.9804



8.3457, 3.3383, 43.9475



0.6554, 0.2621, 3.4509

Inverse Universe

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



56.8079, 37.3129, 84.3265



64.0406, 37.9824, 98.5597



51.9746, 71.3658, 28.4888



15.7149, 15.3138, 19.0497



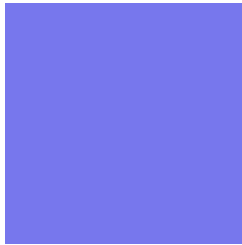
27.4128, 13.1678, 44.8368



2.1526, 1.0340, 3.5208

Previews

White Background



This preview shows how the XYZ color 29.4906, 23.2300, 83.0503 looks on a white background.

Color Contrast Check

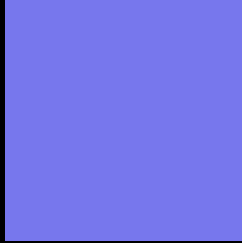
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4906, 23.2300, 83.0503 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 29.4906, 23.2300, 83.0503

Background



This preview shows how black text looks on a background with the XYZ color 29.4906, 23.2300, 83.0503.



This preview shows how white text looks on a background with the XYZ color 29.4906, 23.2300,

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

29.4906, 23.2300, 83.0503

Protanopia

26.8795, 23.3943, 90.2876

Deuteranopia

24.1475, 23.4048, 80.3357



Tritanopia

19.4782, 23.3177, 32.7523

Trichromacy



Original Color

29.4906, 23.2300, 83.0503

Protanomaly

27.5358, 23.2130, 87.8233

Deuteranomaly

25.1558, 22.9062, 80.9374

Tritanomaly

22.1743, 22.7047, 47.4697

Monochromacy



Original Color

29.4906, 23.2300, 83.0503

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.5975, 22.5930, 41.1474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4906, 23.2300, 83.0503 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(119, 119, 237)` looks like.

```
.text, #text, p{  
    color:rgb(119, 119, 237)  
}
```

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(119, 119, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 237) }
```

Border

The CSS property to change the border of an element to XYZ 29.4906, 23.2300, 83.0503 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(119, 119, 237) }
```


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

```
.border{ border-color:rgb(119, 119, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 119, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 119, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 119, 237);  
box-shadow:4px 4px 4px 4px rgb(119, 119,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4906, 23.2300, 83.0503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 119, 237) }
```

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

```
.background{ background-color: rgb(119,  
119, 237) }
```

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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