

Converting Colors

XYZ(29.7163, 23.4685, 83.3023)

Have a look what the booklet for
XYZ(29.7163, 23.4685, 83.3023)
contains.

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Color

**XYZ(29.7483, 23.5404,
83.0966)**

Conversions

Conversions Part 1

Format	Color
Hex	7878ED
RGB	120, 120, 237
RGB Percent	47%, 47%, 93%
CMY	0.5294, 0.5294, 0.0706
CMYK	0.49, 0.49, 0.00, 0.07
HSL	240°, 76%, 70%
HSV	240°, 49%, 93%
XYZ	29.7483, 23.5404, 83.0966
YIQ	133.3380, -37.5570, 36.3870

Conversions

Conversions Part 2

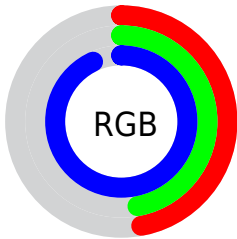
Format	Color
RYB	120, 120, 237
Decimal	7895277
CIELab	55.62, 30.75, -59.28
CIELCh	56, 66.780, 297.418
Yxy	23.5404, 0.2181, 0.1726
Android (android.graphics.Color)	4286085357 (0xFF7878ED)
YUV	133.3380, 51.1054, -11.6974
Hunter-Lab	48.5185, 24.5371, -67.5819

Details

The XYZ color **29.7483, 23.5404, 83.0966** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **68.5983, 79.9287, 29.5819**, and the grayscale version is **22.2477, 23.4063, 25.4894**.

A 20% lighter version of the original color is **51.1626, 46.1900, 100.8267**, and **12.3592, 8.8598, 44.2387** is the 20% darker color. If you saturate the color by 10%, you get **24.3528, 17.0387, 82.1265**, and if you desaturate by 10%, it is **36.6644, 31.8734, 84.3410**.

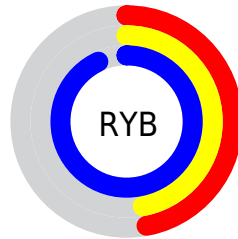
Distribution



Red (47%)

Green (47%)

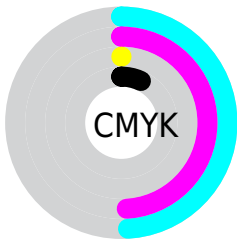
Blue (93%)



Red (47%)

Yellow (47%)

Blue (93%)

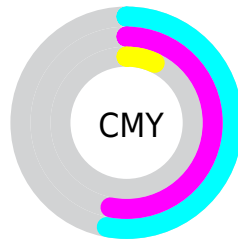


Cyan (49%)

Magenta (49%)

Yellow (0%)

Black (7%)



Cyan (53%)

Magenta (53%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7483, 23.5404, 83.0966 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 29.7483, 23.5404, 83.0966 by changing the saturation by 10% instead.

■ 29.7483, 23.5404,
83.0966

■ 29.7483, 23.5404,
83.0966

292.6604,
270.4886, 525.2878

■ 19.7947, 14.9930,
61.7288

■ 58.6533, 49.2792,
139.5612

■ 12.3533, 8.8145,
44.3792

■ 78.3354, 67.2393,
175.4950

■ 7.0587, 4.6204,
30.6294

■ 101.9911, 89.1059,
217.1213

■ 3.5455, 2.0263,
20.0607

129.9857,
115.2633, 264.8585

■ 1.4484, 0.6227,
12.2546

162.6845,
146.0958, 319.1253

■ 0.2903, 0.0000,
6.7927

200.4531,

■ 0.0000, 0.0000,

181.9880, 380.3400

3.2563

243.6565,
223.3241, 448.9214

■ 0.0000, 0.0000,
1.2270

■ 0.0000, 0.0000,
0.0008

■ 29.7483, 23.5404,
83.0966

■ 29.7483, 23.5404,
83.0966

■ 24.3528, 17.0387,
82.1265

■ 36.6644, 31.8734,
84.3410

■ 20.3606, 12.2285,
81.4085

■ 45.2004, 42.1587,
85.8764

■ 17.6426, 8.9535,
80.9196

■ 55.4509, 54.5100,
87.7202

■ 16.0442, 7.0277,
80.6321

■ 67.5024, 69.0314,
89.8879

■ 15.3214, 6.1568,
80.5021

■ 81.4354, 85.8200,
92.3941

■ 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.



21.7267, 23.5404, 93.6535



29.7483, 23.5404, 83.0966



36.9741, 23.5404, 55.1778

Triad

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



29.7483, 23.5404, 83.0966



31.1394, 23.5404, 4.1340



10.7784, 23.5404, 23.8034

Complementary

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



29.7483, 23.5404, 83.0966



68.5983, 79.9287, 29.5819

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.



12.2346, 23.5404, 9.1270



29.7483, 23.5404, 83.0966



23.0350, 23.5404, 2.4913

Square

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



29.7483, 23.5404, 83.0966



37.8960, 23.5404, 10.8561



16.3325, 23.5404, 3.6034



11.8024, 23.5404, 49.9429

Rectangle

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



29.7483, 23.5404, 83.0966



39.7472, 23.5404, 35.7988



16.3325, 23.5404, 3.6034



10.9849, 23.5404, 17.5984

Sweetspot

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



29.7493, 23.5412, 83.0972



71.3399, 71.4306, 104.6352



53.3164, 70.6764, 90.9531



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.



29.7493, 23.5412, 83.0972



28.8296, 20.2082, 96.9888



40.4780, 29.0720, 83.5993



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.



56.9273, 37.5520, 84.3655



64.2949, 38.4913, 98.6434



52.1499, 71.4492, 28.8121



15.7149, 15.3138, 19.0497



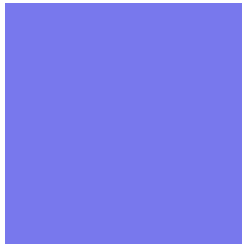
27.4126, 13.1677, 44.8358



2.1526, 1.0340, 3.5207

Previews

White Background



This preview shows how the XYZ color 29.7483, 23.5404, 83.0966 looks on a white background.

Color Contrast Check

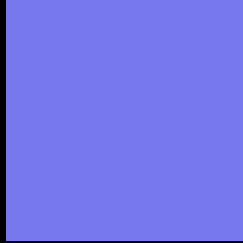
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7483, 23.5404, 83.0966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

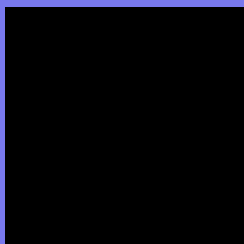
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.7483, 23.5404, 83.0966

Background



This preview shows how black text looks on a background with the XYZ color 29.7483, 23.5404, 83.0966.



This preview shows how white text looks on a background with the XYZ color 29.7483, 23.5404,

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

29.7483, 23.5404, 83.0966

Protanopia

27.1573, 23.7321, 90.3382

Deuteranopia

24.6420, 23.8493, 81.1465



Tritanopia

19.6617, 23.4028, 33.1867

Trichromacy



Original Color

29.7483, 23.5404, 83.0966

Protanomaly

27.7583, 23.5166, 87.8702

Deuteranomaly

25.7257, 23.3799, 81.7541

Tritanomaly

22.5283, 23.0775, 48.0668

Monochromacy



Original Color

29.7483, 23.5404, 83.0966

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.9719, 22.9678, 41.6979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7483, 23.5404, 83.0966 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(120, 120, 237)` looks like.

```
.text, #text, p{  
    color:rgb(120, 120, 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(120, 120, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 120, 237) }
```

Border

The CSS property to change the border of an element to XYZ 29.7483, 23.5404, 83.0966 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(120, 120, 237) }
```


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

```
.border{ border-color:rgb(120, 120, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 120, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 120, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 120, 237);  
box-shadow:4px 4px 4px 4px rgb(120, 120,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7483, 23.5404, 83.0966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 120, 237) }
```

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

```
.background{ background-color: rgb(120,  
120, 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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