

Converting Colors

XYZ(29.1831, 23.2821, 81.5529)

Have a look what the booklet for
XYZ(29.1831, 23.2821, 81.5529)
contains.

XYZ(29.1831, 23.2827, 81.5531)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.1831, 23.2827,
81.5531)**

Conversions

Conversions Part 1

Format	Color
Hex	7678EB
RGB	118, 120, 235
RGB Percent	46%, 47%, 92%
CMY	0.5372, 0.5294, 0.0784
CMYK	0.50, 0.49, 0.00, 0.08
HSL	239°, 75%, 69%
HSV	239°, 50%, 92%
XYZ	29.1831, 23.2827, 81.5531
YIQ	132.5120, -38.1070, 35.3410

Conversions

Conversions Part 2

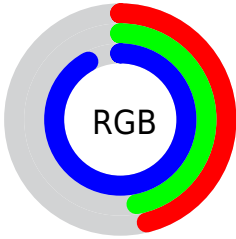
Format	Color
RYB	118, 120, 235
Decimal	7764203
CIELab	55.36, 29.72, -58.59
CIELCh	55, 65.698, 296.894
Yxy	23.2827, 0.2178, 0.1737
Android (android.graphics.Color)	4285954283 (0xFF7678EB)
YUV	132.5120, 50.5266, -12.7270
Hunter-Lab	48.2522, 23.5163, -66.4322

Details

The XYZ color **29.1831, 23.2827, 81.5531** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **66.6716, 77.2507, 28.5381**, and the grayscale version is **21.9508, 23.0940, 25.1494**.

A 20% lighter version of the original color is **50.7070, 45.9552, 100.8054**, and **12.0406, 8.7189, 43.1678** is the 20% darker color. If you saturate the color by 10%, you get **23.9293, 16.9361, 80.6055**, and if you desaturate by 10%, it is **35.9037, 31.3805, 82.7624**.

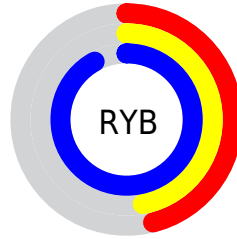
Distribution



Red (46%)

Green (47%)

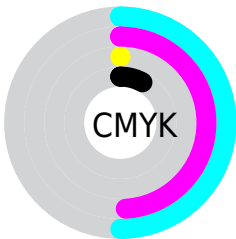
Blue (92%)



Red (46%)

Yellow (47%)

Blue (92%)

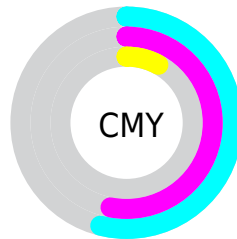


Cyan (50%)

Magenta (49%)

Yellow (0%)

Black (8%)



Cyan (54%)

Magenta (53%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1831, 23.2827, 81.5531 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 29.1831, 23.2827, 81.5531 by changing the saturation by 10% instead.

■ 29.1831, 23.2827,
81.5531

■ 29.1831, 23.2827,
81.5531

290.0565,
269.1737, 519.9958

■ 19.3644, 14.8024,
60.4636

■ 57.7634, 48.8571,
137.3782

■ 12.0394, 8.6808,
43.3647

■ 77.2557, 66.7200,
172.9508

■ 6.8429, 4.5336,
29.8378

■ 100.7032, 88.4792,
214.1882

■ 3.4095, 1.9763,
19.4645

128.4713,
114.5191, 261.5089

■ 1.3738, 0.5936,
11.8262

160.9253,
145.2241, 315.3315

■ 0.2375, 0.0000,
6.5043

198.4306,

■ 0.0000, 0.0000,

180.9786, 376.0744

3.0804

241.3526,
222.1670, 444.1564

■ 0.0000, 0.0000,
1.1358

■ 0.0000, 0.0000,
0.0000

■ 29.1831, 23.2827,
81.5531

■ 29.1831, 23.2827,
81.5531

■ 23.9293, 16.9361,
80.6055

■ 35.9037, 31.3805,
82.7624

■ 20.0301, 12.2093,
79.8986

■ 44.1863, 41.3433,
84.2489

■ 17.3622, 8.9565,
79.4114

■ 54.1213, 53.2778,
86.0289

■ 15.7782, 7.0044,
79.1181

■ 65.7916, 67.2823,
88.1169

■ 15.0507, 6.0993,
78.9817

■ 79.2745, 83.4483,
90.5266

■ 15.0390, 6.0852,
78.9796

■ 91.9955, 98.7782,
92.8151

Harmonies

Analogous

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



21.3700, 23.2827, 91.3632



29.1831, 23.2827, 81.5531



36.2590, 23.2827, 54.6292

Triad

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



29.1831, 23.2827, 81.5531



30.8129, 23.2827, 4.2807



10.7757, 23.2827, 23.2134

Complementary

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



29.1831, 23.2827, 81.5531



66.6716, 77.2507, 28.5381

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.



12.2502, 23.2827, 9.0104



29.1831, 23.2827, 81.5531



22.9068, 23.2827, 2.5790

Square

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



29.1831, 23.2827, 81.5531



37.3374, 23.2827, 11.0613



16.3153, 23.2827, 3.6430



11.7394, 23.2827, 48.5139

Rectangle

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



29.1831, 23.2827, 81.5531



39.0118, 23.2827, 35.7193



16.3153, 23.2827, 3.6430



10.9929, 23.2827, 17.2124

Sweetspot

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



29.1841, 23.2835, 81.5537



71.5078, 71.7670, 104.6913



51.6185, 69.0441, 86.2822



14.6820, 14.6127, 22.2967



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.



29.1841, 23.2835, 81.5537



28.5415, 20.0688, 96.9771



38.6205, 27.7954, 81.9272



14.2518, 14.5901, 18.9873



8.3792, 3.4053, 43.9586



0.6652, 0.2820, 3.4542

Inverse Universe

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



44.1305, 31.9765, 21.6160



48.5212, 31.7747, 16.8357



51.8952, 70.4769, 28.0095



15.0759, 15.0582, 15.6850



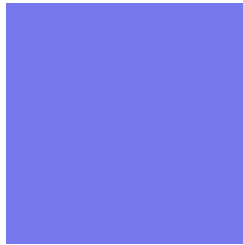
19.0847, 9.8366, 0.9815



1.5023, 0.7739, 0.0964

Previews

White Background



This preview shows how the XYZ color 29.1831, 23.2827, 81.5531 looks on a white background.

Color Contrast Check

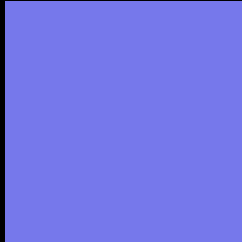
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1831, 23.2827, 81.5531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

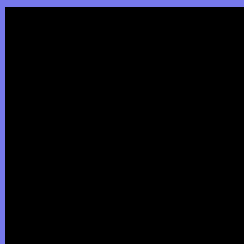
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.1831, 23.2827, 81.5531

Background



This preview shows how black text looks on a background with the XYZ color 29.1831, 23.2827, 81.5531.



This preview shows how white text looks on a background with the XYZ color 29.1831, 23.2827,

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

29.1831, 23.2827, 81.5531

Protanopia

26.7209, 23.3653, 87.8956

Deuteranopia

24.3095, 23.5048, 79.5996



Tritanopia

19.3776, 23.2658, 32.7476

Trichromacy



Original Color

29.1831, 23.2827, 81.5531

Protanomaly

27.2782, 23.1322, 85.4653

Deuteranomaly

25.3059, 23.0002, 80.1965

Tritanomaly

22.1979, 22.9192, 47.5099

Monochromacy



Original Color

29.1831, 23.2827, 81.5531

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.8770, 22.9298, 41.1977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1831, 23.2827, 81.5531 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(118, 120, 235)` looks like.

```
.text, #text, p{  
    color:rgb(118, 120, 235)  
}
```

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(118, 120, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 120, 235) }
```

Border

The CSS property to change the border of an element to XYZ 29.1831, 23.2827, 81.5531 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(118, 120, 235) }
```


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

```
.border{ border-color:rgb(118, 120, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 120, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 120, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 120, 235); box-shadow:4px 4px 4px 4px rgb(118, 120, 235) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1831, 23.2827, 81.5531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 120, 235) }
```

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

```
.background{ background-color: rgb(118,  
120, 235) }
```

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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