

Converting Colors

XYZ(23.3490, 13.1930, 68.6569)

Have a look what the booklet for
XYZ(23.3490, 13.1930, 68.6569)
contains.

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Color

**XYZ(23.3161, 13.1815,
68.3332)**

Conversions

Conversions Part 1

Format	Color
Hex	7F3FDB
RGB	127, 63, 219
RGB Percent	50%, 25%, 86%
CMY	0.5019, 0.7529, 0.1412
CMYK	0.42, 0.71, 0.00, 0.14
HSL	265°, 68%, 55%
HSV	265°, 71%, 86%
XYZ	23.3161, 13.1815, 68.3332
YIQ	99.9200, -11.9320, 62.0840

Conversions

Conversions Part 2

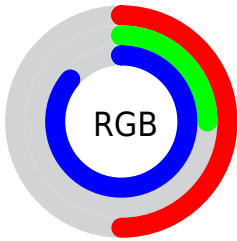
Format	Color
R _Y B	127, 63, 219
Decimal	8339419
CIE Lab	43.04, 58.54, -69.45
CIE LCh	43, 90.826, 310.127
Yxy	13.1815, 0.2224, 0.1257
Android (android.graphics.Color)	4286529499 (0xFF7F3FDB)
YUV	99.9200, 58.7064, 23.7492
Hunter-Lab	36.3063, 51.0975, -86.1770

Details

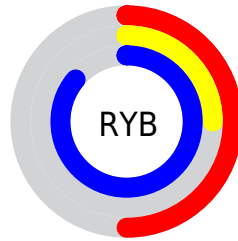
The XYZ color **23.3161, 13.1815, 68.3332** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **39.7457, 57.9904, 13.8011**, and the grayscale version is **11.9508, 12.5732, 13.6922**.

A 20% lighter version of the original color is **44.5451, 30.1499, 98.0795**, and **8.9256, 3.8376, 34.9206** is the 20% darker color. If you saturate the color by 10%, you get **20.5337, 10.2907, 67.9222**, and if you desaturate by 10%, it is **26.8285, 17.1643, 68.9171**.

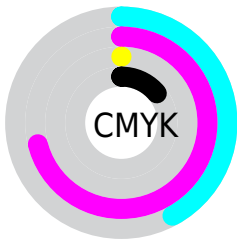
Distribution



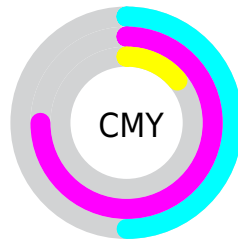
- Red (50%)
- Green (25%)
- Blue (86%)



- Red (50%)
- Yellow (25%)
- Blue (86%)



- Cyan (42%)
- Magenta (71%)
- Yellow (0%)
- Black (14%)



- Cyan (50%)
- Magenta (75%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3161, 13.1815, 68.3332 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 23.3161, 13.1815, 68.3332 by changing the saturation by 10% instead.

■ 23.3161, 13.1815,
68.3332

■ 23.3161, 13.1815,
68.3332

261.8495,
212.0776, 473.3057

■ 14.9491, 7.5536,
49.7005

■ 48.3747, 31.6295,
118.4874

■ 8.8697, 3.8107,
34.8059

■ 65.7970, 45.2184,
150.8460

■ 4.7127, 1.5682,
23.2311

■ 86.9683, 62.2298,
188.6169

■ 2.1127, 0.3360,
14.5573

■ 112.2542, 83.0480,
232.2187

■ 0.6961, 0.0000,
8.3661

■ 142.0199,
108.0575, 282.0699

■ 0.0000, 0.0000,
4.2390

176.6308,

■ 0.0000, 0.0000,

137.6427, 338.5892

1.7574

216.4522,
172.1879, 402.1949

■ 0.0000, 0.0000,
0.3996

■ 0.0000, 0.0000,
0.0000

■ 23.3161, 13.1815,
68.3332

■ 23.3161, 13.1815,
68.3332

■ 20.5337, 10.2907,
67.9222

■ 26.8285, 17.1643,
68.9171

■ 18.4089, 8.3638,
67.6622

■ 31.1287, 22.3445,
69.6904

■ 16.9883, 7.2807,
67.5281

■ 36.2704, 28.8161,
70.6685

■ 42.3014, 36.6630,
71.8653

■ 49.2659, 45.9620,
73.2931

■ 57.2046, 56.7839,
74.9635

■ 66.1560, 69.1948,
76.8872

■ 76.1562, 83.2570,
79.0745

■ 85.5906, 95.7316,
80.9850

Harmonies

Analogous

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



15.0385, 13.1815, 95.1282



23.3161, 13.1815, 68.3332



29.8542, 13.1815, 31.7760

Triad

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



23.3161, 13.1815, 68.3332



17.6649, 13.1815, 0.0000



3.4189, 13.1815, 22.2231

Complementary

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



23.3161, 13.1815, 68.3332



39.7457, 57.9904, 13.8011

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.



3.6732, 13.1815, 4.8527



23.3161, 13.1815, 68.3332



10.3148, 13.1815, 0.0000

Square

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



23.3161, 13.1815, 68.3332



25.8407, 13.1815, 1.1011



5.7189, 13.1815, 0.3322



4.8156, 13.1815, 56.0841

Rectangle

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



23.3161, 13.1815, 68.3332



31.3023, 13.1815, 14.2677



5.7189, 13.1815, 0.3322



3.3318, 13.1815, 14.4375

Sweetspot

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



23.3168, 13.1819, 68.3335



69.6029, 64.9583, 103.4775



26.8256, 30.1502, 71.4238



14.2823, 13.0752, 22.0210



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.



23.3168, 13.1819, 68.3335



27.5301, 13.1480, 95.6946



39.3016, 21.4224, 69.0816



12.8421, 12.8767, 16.4607



10.1906, 4.3776, 40.0463



0.7565, 0.3332, 2.5989

Inverse Universe

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



36.9072, 20.9816, 33.1134



48.8306, 25.4181, 38.4433



29.4201, 52.6673, 13.3179



13.3766, 13.1797, 15.2443



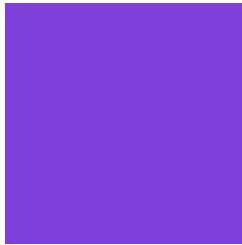
19.7332, 9.8943, 13.5071



1.3208, 0.6580, 1.0984

Previews

White Background



This preview shows how the XYZ color 23.3161, 13.1815, 68.3332 looks on a white background.

Color Contrast Check

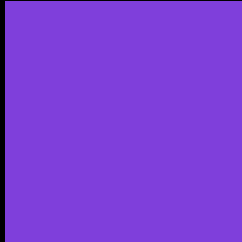
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.3161, 13.1815, 68.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

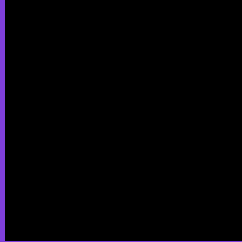
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.3161, 13.1815, 68.3332

Background



This preview shows how black text looks on a background with the XYZ color 23.3161, 13.1815, 68.3332.



This preview shows how white text looks on a background with the XYZ color 23.3161, 13.1815,

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

23.3161, 13.1815, 68.3332

Protanopia

15.6302, 13.2404, 60.7633

Deuteranopia

13.0870, 13.1553, 44.4973



Tritanopia

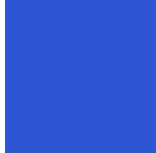
12.8935, 13.2363, 16.3433

Trichromacy



Original Color

23.3161, 13.1815, 68.3332



Protanomaly

16.1331, 11.7810, 63.0517



Deuteranomaly

14.4367, 11.6206, 52.5210



Tritanomaly

15.3886, 12.3658, 30.0095

Monochromacy



Original Color

23.3161, 13.1815, 68.3332



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

14.7965, 12.1146, 27.5451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3161, 13.1815, 68.3332 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(127, 63, 219)` looks like.

```
.text, #text, p{  
    color:rgb(127, 63, 219)  
}
```

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(127, 63, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 63, 219) }
```

Border

The CSS property to change the border of an element to XYZ 23.3161, 13.1815, 68.3332 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(127, 63, 219) }
```


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

```
.border{ border-color:rgb(127, 63, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 63, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 63, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 63, 219);  
box-shadow:4px 4px 4px 4px rgb(127, 63,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3161, 13.1815, 68.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 63, 219) }
```

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

```
.background{ background-color: rgb(127, 63,  
219) }
```

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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