

Converting Colors

XYZ(22.3170, 10.1770, 82.9930)

Have a look what the booklet for
XYZ(22.3170, 10.1770, 82.9930)
contains.

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Color

**XYZ(22.3615, 10.1957,
83.2275)**

Conversions

Conversions Part 1

Format	Color
Hex	6D18F0
RGB	109, 24, 240
RGB Percent	43%, 9%, 94%
CMY	0.5725, 0.9059, 0.0588
CMYK	0.55, 0.90, 0.00, 0.06
HSL	264°, 88%, 52%
HSV	264°, 90%, 94%
XYZ	22.3615, 10.1957, 83.2275
YIQ	74.0390, -18.6760, 85.1960

Conversions

Conversions Part 2

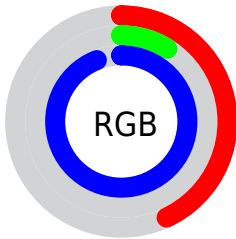
Format	Color
RYB	109, 24, 240
Decimal	7149808
CIELab	38.19, 75.08, -89.43
CIELCh	38, 116.772, 310.016
Yxy	10.1957, 0.1931, 0.0881
Android (android.graphics.Color)	4285339888 (0xFF6D18F0)
YUV	74.0390, 81.8188, 30.6608
Hunter-Lab	31.9307, 69.1272, -132.1881

Details

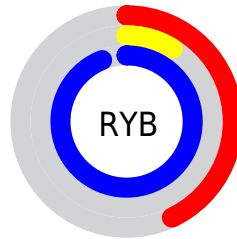
The XYZ color **22.3615, 10.1957, 83.2275** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **44.8400, 69.3536, 11.8870**, and the grayscale version is **6.3779, 6.7100, 7.3072**.

A 20% lighter version of the original color is **38.6918, 22.9206, 96.9926**, and **8.8695, 3.5970, 44.4828** is the 20% darker color. If you saturate the color by 10%, you get **20.3913, 8.6952, 83.0420**, and if you desaturate by 10%, it is **25.0338, 12.6571, 83.5621**.

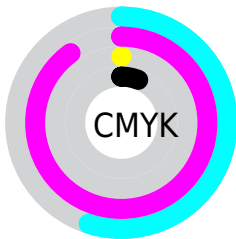
Distribution



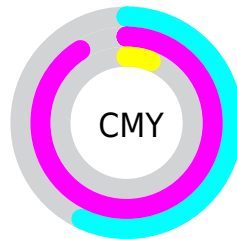
- Red (43%)
- Green (9%)
- Blue (94%)



- Red (43%)
- Yellow (9%)
- Blue (94%)



- Cyan (55%)
- Magenta (90%)
- Yellow (0%)
- Black (6%)



- Cyan (57%)
- Magenta (91%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3615, 10.1957, 83.2275 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 22.3615, 10.1957, 83.2275 by changing the saturation by 10% instead.

■ 22.3615, 10.1957,
83.2275

■ 22.3615, 10.1957,
83.2275

257.0254,
192.0632, 525.7353

■ 14.2409, 5.5289,
61.8361

■ 46.8172, 26.1629,
139.7461

■ 8.3712, 2.5608,
44.4654

■ 63.8829, 38.2322,
175.7105

■ 4.3872, 0.9070,
30.6967

■ 84.6611, 53.5377,
217.3696

■ 1.9234, 0.0000,
20.1114

■ 109.5170, 72.4639,
265.1420

■ 0.5904, 0.0000,
12.2912

■ 138.8160, 95.3951,
319.4462

■ 0.0000, 0.0000,
6.8174

■ 172.9235,

■ 0.0000, 0.0000,

122.7158, 380.7008

3.2714

212.2048,
154.8104, 449.3243

■ 0.0000, 0.0000,
1.2349

■ 0.0000, 0.0000,
0.0075

■ 22.3615, 10.1957,
83.2275

■ 22.3615, 10.1957,
83.2275

■ 20.3913, 8.6952,
83.0420

■ 25.0338, 12.6571,
83.5621

■ 28.5455, 16.3382,
84.0875

■ 32.9851, 21.3959,
84.8297

■ 38.4276, 27.9624,
85.8104

■ 44.9395, 36.1538,
87.0482

■ 52.5812, 46.0744,
88.5603

■ 61.4080, 57.8197,
90.3622

■ 71.4715, 71.4780,
92.4681

■ 82.8201, 87.1319,
94.8915

Harmonies

Analogous

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



12.4444, 10.1957, 123.2326



22.3615, 10.1957, 83.2275



30.7710, 10.1957, 32.2680

Triad

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



22.3615, 10.1957, 83.2275



15.5548, 10.1957, 0.0000



1.2682, 10.1957, 20.0277

Complementary

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



22.3615, 10.1957, 83.2275



44.8400, 69.3536, 11.8870

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.



1.4442, 10.1957, 2.0871



22.3615, 10.1957, 83.2275



7.3765, 10.1957, 0.0000

Square

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



22.3615, 10.1957, 83.2275



25.6271, 10.1957, 0.0000



3.0277, 10.1957, 0.0000



2.2776, 10.1957, 65.1334

Rectangle

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



22.3615, 10.1957, 83.2275



32.7006, 10.1957, 11.0901



3.0277, 10.1957, 0.0000



1.2120, 10.1957, 11.1127

Sweetspot

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



22.3622, 10.1959, 83.2278



63.1529, 56.5842, 102.2011



28.1952, 30.6662, 86.8715



12.8132, 11.1825, 21.7331



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.



22.3622, 10.1959, 83.2278



23.3455, 9.9499, 95.2978



44.0202, 21.3610, 84.2414



15.4858, 15.5321, 19.9034



11.3017, 4.8316, 45.4648



1.0489, 0.4580, 3.7873

Inverse Universe

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



42.1771, 21.5444, 32.9398



47.1262, 23.6145, 32.9262



32.6010, 63.0441, 11.3142



16.1755, 15.9199, 18.4801



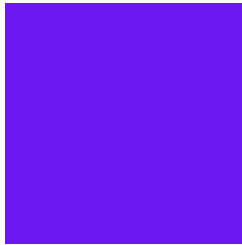
22.5595, 11.2962, 16.1288



1.9255, 0.9593, 1.5986

Previews

White Background



This preview shows how the XYZ color 22.3615, 10.1957, 83.2275 looks on a white background.

Color Contrast Check

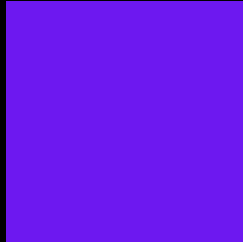
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3615, 10.1957, 83.2275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

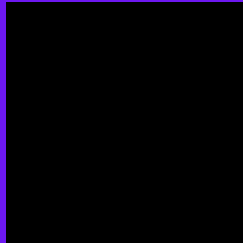
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3615, 10.1957, 83.2275

Background



This preview shows how black text looks on a background with the XYZ color 22.3615, 10.1957, 83.2275.



This preview shows how white text looks on a background with the XYZ color 22.3615, 10.1957,

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

22.3615, 10.1957, 83.2275

Protanopia

11.9554, 10.2353, 46.1452

Deuteranopia

9.9151, 10.2290, 32.9043



Tritanopia

8.5270, 10.1878, 14.3490

Trichromacy



Original Color

22.3615, 10.1957, 83.2275

Protanomaly

13.6076, 8.4775, 58.0459

Deuteranomaly

11.9118, 8.1732, 47.9635

Tritanomaly

11.1023, 8.2184, 31.1381

Monochromacy



Original Color

22.3615, 10.1957, 83.2275

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

9.6477, 6.5758, 23.3150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3615, 10.1957, 83.2275 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(109, 24, 240)` looks like.

```
.text, #text, p{  
    color:rgb(109, 24, 240)  
}
```

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(109, 24, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 24, 240) }
```

Border

The CSS property to change the border of an element to XYZ 22.3615, 10.1957, 83.2275 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(109, 24, 240) }
```


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

```
.border{ border-color:rgb(109, 24, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 24, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 24, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 24, 240);  
box-shadow:4px 4px 4px 4px rgb(109, 24,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3615, 10.1957, 83.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 24, 240) }
```

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

```
.background{ background-color: rgb(109, 24,  
240) }
```

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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