

Converting Colors

XYZ(22.7551, 11.4969, 81.2558)

Have a look what the booklet for
XYZ(22.7551, 11.4969, 81.2558)
contains.

XYZ(22.7330, 11.4625, 81.1351)	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(22.7330, 11.4625,
81.1351)**

Conversions

Conversions Part 1

Format	Color
Hex	6E2FED
RGB	110, 47, 237
RGB Percent	43%, 18%, 93%
CMY	0.5686, 0.8157, 0.0706
CMYK	0.54, 0.80, 0.00, 0.07
HSL	260°, 84%, 56%
HSV	260°, 80%, 93%
XYZ	22.7330, 11.4625, 81.1351
YIQ	87.4970, -23.4420, 72.4460

Conversions

Conversions Part 2

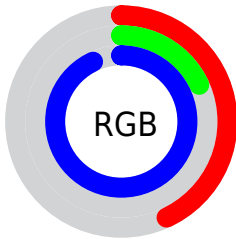
Format	Color
R _{YB}	110, 47, 237
Decimal	7221229
CIE _{Lab}	40.35, 67.48, -84.17
CIE _{LCh}	40, 107.881, 308.722
Yxy	11.4625, 0.1971, 0.0994
Android (android.graphics.Color)	4285411309 (0xFF6E2FED)
YUV	87.4970, 73.7050, 19.7351
Hunter-Lab	33.8563, 60.6062, -118.3863

Details

The XYZ color **22.7330, 11.4625, 81.1351** 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 **48.2514, 69.7717, 13.6134**, and the grayscale version is **9.0162, 9.4858, 10.3300**.

A 20% lighter version of the original color is **40.0350, 25.6070, 97.4403**, and **8.8654, 3.6186, 43.4112** is the 20% darker color. If you saturate the color by 10%, you get **20.2315, 9.1276, 80.8166**, and if you desaturate by 10%, it is **26.1019, 15.0067, 81.6420**.

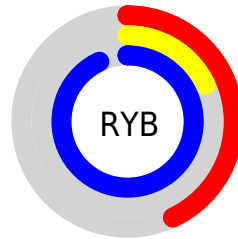
Distribution



Red (43%)

Green (18%)

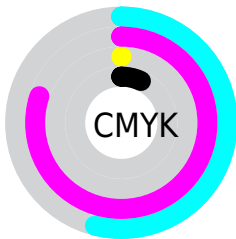
Blue (93%)



Red (43%)

Yellow (18%)

Blue (93%)

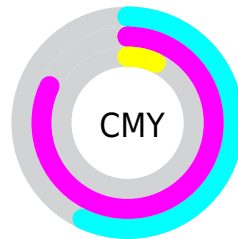


Cyan (54%)

Magenta (80%)

Yellow (0%)

Black (7%)



Cyan (57%)

Magenta (82%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7330, 11.4625, 81.1351 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 22.7330, 11.4625, 81.1351 by changing the saturation by 10% instead.

■ 22.7330, 11.4625,
81.1351

■ 22.7330, 11.4625,
81.1351

258.9117,
200.8137, 518.5573

■ 14.5161, 6.3788,
60.1212

■ 47.4244, 28.5123,
136.7862

■ 8.5646, 3.0768,
43.0904

■ 64.6297, 41.2472,
172.2606

■ 4.5131, 1.1719,
29.6241

■ 85.5617, 57.3013,
213.3921

■ 1.9963, 0.0386,
19.3038

■ 110.5859, 77.0590,
260.5995

■ 0.6319, 0.0000,
11.7110

■ 140.0677,
100.9047, 314.3011

■ 0.0000, 0.0000,
6.4271

■ 174.3723,

■ 0.0000, 0.0000,

129.2228, 374.9156

3.0335

213.8652,
162.3976, 442.8615

■ 0.0000, 0.0000,
1.1118

■ 0.0000, 0.0000,
0.0000

■ 22.7330, 11.4625,
81.1351

■ 22.7330, 11.4625,
81.1351

■ 20.2315, 9.1276,
80.8166

■ 26.1019, 15.0067,
81.6420

■ 18.4768, 7.7593,
80.6450

■ 30.4262, 19.9142,
82.3613

■ 35.7841, 26.3160,
83.3146

■ 42.2445, 34.3270,
84.5204

■ 49.8698, 44.0507,
85.9953

■ 58.7174, 55.5816,
87.7547

■ 68.8407, 69.0073,
89.8125

■ 80.2900, 84.4094,
92.1820

■ 91.3988, 98.4370,
94.3041

Harmonies

Analogous

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



13.2479, 11.4625, 115.1848



22.7330, 11.4625, 81.1351



30.7940, 11.4625, 34.4645

Triad

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



22.7330, 11.4625, 81.1351



17.0577, 11.4625, 0.0000



1.9232, 11.4625, 19.9071

Complementary

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



22.7330, 11.4625, 81.1351



48.2514, 69.7717, 13.6134

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.



2.1936, 11.4625, 2.6562



22.7330, 11.4625, 81.1351



8.8382, 11.4625, 0.0000

Square

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



22.7330, 11.4625, 81.1351



26.5993, 11.4625, 0.1456



4.1030, 11.4625, 0.0000



3.0401, 11.4625, 60.7378

Rectangle

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



22.7330, 11.4625, 81.1351



32.8074, 11.4625, 13.4308



4.1030, 11.4625, 0.0000



1.8720, 11.4625, 11.5765

Sweetspot

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



22.7337, 11.4628, 81.1354



65.0565, 60.0250, 102.7649



32.1476, 38.0972, 85.7802



13.1331, 11.8175, 21.8388



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.



22.7337, 11.4628, 81.1354



22.5126, 9.6849, 95.2906



40.7049, 20.7272, 81.9765



14.7018, 14.7915, 19.0024



10.2114, 4.3001, 44.0348



0.9003, 0.3884, 3.4624

Inverse Universe

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



43.5810, 23.0933, 42.2014



48.9732, 24.5304, 42.1066



34.2625, 62.5602, 12.9587



15.4901, 15.2239, 17.8662



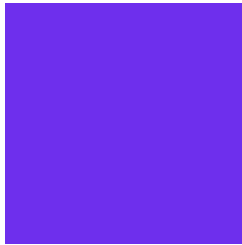
22.5197, 11.2106, 19.0697



1.8125, 0.8980, 1.7303

Previews

White Background



This preview shows how the XYZ color 22.7330, 11.4625, 81.1351 looks on a white background.

Color Contrast Check

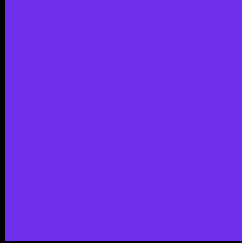
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7330, 11.4625, 81.1351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

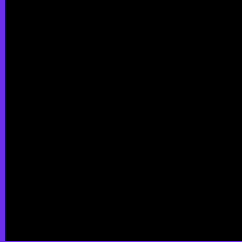
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7330, 11.4625, 81.1351

Background



This preview shows how black text looks on a background with the XYZ color 22.7330, 11.4625, 81.1351.



This preview shows how white text looks on a background with the XYZ color 22.7330, 11.4625,

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

22.7330, 11.4625, 81.1351

Protanopia

13.4528, 11.5045, 51.9636

Deuteranopia

11.1592, 11.4520, 37.2196



Tritanopia

9.6478, 11.4260, 15.8843

Trichromacy



Original Color

22.7330, 11.4625, 81.1351

Protanomaly

14.9681, 10.2234, 61.5060

Deuteranomaly

13.0750, 9.8047, 50.4936

Tritanomaly

12.4261, 10.0904, 32.3031

Monochromacy



Original Color

22.7330, 11.4625, 81.1351

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.9192, 9.0206, 26.7041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7330, 11.4625, 81.1351 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(110, 47, 237)` looks like.

```
.text, #text, p{  
  color:rgb(110, 47, 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(110, 47, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 47, 237) }
```

Border

The CSS property to change the border of an element to XYZ 22.7330, 11.4625, 81.1351 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(110, 47, 237) }
```


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

```
.border{ border-color:rgb(110, 47, 237) }
```

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

Here you see how a box with a 4 pixel rgb(110, 47, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 47, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 47, 237);  
box-shadow:4px 4px 4px 4px rgb(110, 47,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7330, 11.4625, 81.1351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 47, 237) }
```

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

```
.background{ background-color: rgb(110, 47,  
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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