

Converting Colors

XYZ(22.4473, 13.3454, 59.5972)

Have a look what the booklet for
XYZ(22.4473, 13.3454, 59.5972)
contains.

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Color

**XYZ(22.5678, 13.4158,
59.7926)**

Conversions

Conversions Part 1

Format	Color
Hex	8344CE
RGB	131, 68, 206
RGB Percent	51%, 27%, 81%
CMY	0.4863, 0.7333, 0.1922
CMYK	0.36, 0.67, 0.00, 0.19
HSL	267°, 58%, 54%
HSV	267°, 67%, 81%
XYZ	22.5678, 13.4158, 59.7926
YIQ	102.5690, -6.7500, 56.2740

Conversions

Conversions Part 2

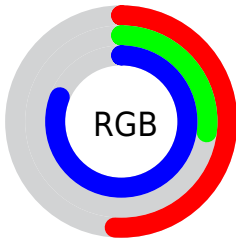
Format	Color
R _Y B	131, 68, 206
Decimal	8602830
CIE Lab	43.38, 53.65, -61.39
CIE LCh	43, 81.534, 311.150
Yxy	13.4158, 0.2356, 0.1401
Android (android.graphics.Color)	4286792910 (0xFF8344CE)
YUV	102.5690, 50.9915, 24.9340
Hunter-Lab	36.6276, 45.8831, -71.1485

Details

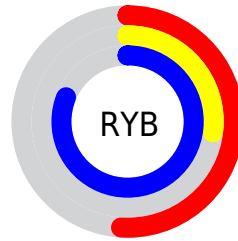
The XYZ color **22.5678, 13.4158, 59.7926** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **34.4423, 50.3997, 13.3819**, and the grayscale version is **12.6506, 13.3094, 14.4939**.

A 20% lighter version of the original color is **45.7527, 31.4718, 98.2710**, and **8.5296, 3.9296, 29.5871** is the 20% darker color. If you saturate the color by 10%, you get **19.8924, 10.5009, 59.3713**, and if you desaturate by 10%, it is **25.8694, 17.3033, 60.3692**.

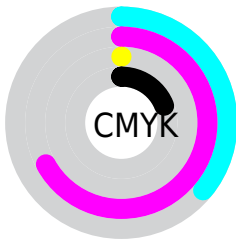
Distribution



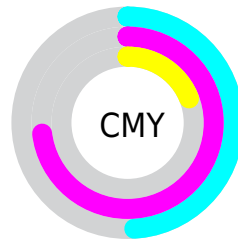
- Red (51%)
- Green (27%)
- Blue (81%)



- Red (51%)
- Yellow (27%)
- Blue (81%)



- Cyan (36%)
- Magenta (67%)
- Yellow (0%)
- Black (19%)



- Cyan (49%)
- Magenta (73%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5678, 13.4158, 59.7926 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 22.5678, 13.4158, 59.7926 by changing the saturation by 10% instead.

■ 22.5678, 13.4158,
59.7926

■ 22.5678, 13.4158,
59.7926

258.0743,
213.5656, 441.6163

■ 14.3936, 7.7155,
42.8273

■ 47.1546, 32.0488,
106.0692

■ 8.4785, 3.9134,
29.4192

■ 64.2979, 45.7503,
136.2175

■ 4.4570, 1.6253,
19.1499

■ 85.1616, 62.8876,
171.5973

■ 1.9638, 0.3745,
11.6007

■ 110.1112, 83.8451,
212.6270

■ 0.6135, 0.0000,
6.3532

■ 139.5119,
109.0073, 259.7252

■ 0.0000, 0.0000,
2.9888

173.7290,

■ 0.0000, 0.0000,

138.7585, 313.3105

1.0889

213.1281,
173.4831, 373.8013

■ 0.0000, 0.0000,
0.0000

■ 22.5678, 13.4158,
59.7926

■ 22.5678, 13.4158,
59.7926

■ 19.8924, 10.5009,
59.3713

■ 25.8694, 17.3033,
60.3692

■ 17.7872, 8.4577,
59.0878

■ 29.8422, 22.2473,
61.1141

■ 16.1823, 7.1553,
58.9210

■ 34.5287, 28.3242,
62.0401

■ 15.7616, 6.8384,
58.8820

■ 39.9671, 35.6024,
63.1583

■ 46.1925, 44.1450,
64.4791

■ 53.2379, 54.0105,
66.0120

■ 61.1341, 65.2537,
67.7659

■ 69.9103, 77.9261,
69.7494

■ 79.5943, 92.0768,
71.9704

Harmonies

Analogous

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



15.2558, 13.4158, 82.5660



22.5678, 13.4158, 59.7926



28.1088, 13.4158, 29.0329

Triad

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



22.5678, 13.4158, 59.7926



17.1075, 13.4158, 0.0000



4.1431, 13.4158, 22.4484

Complementary

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



22.5678, 13.4158, 59.7926



34.4423, 50.3997, 13.3819

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.



4.3465, 13.4158, 5.9844



22.5678, 13.4158, 59.7926



10.5371, 13.4158, 0.0000

Square

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



22.5678, 13.4158, 59.7926



24.3036, 13.4158, 1.5752



6.2963, 13.4158, 0.9371



5.6007, 13.4158, 51.7070

Rectangle

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



22.5678, 13.4158, 59.7926



29.2261, 13.4158, 13.9184



6.2963, 13.4158, 0.9371



4.0364, 13.4158, 15.3190

Sweetspot

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



22.5684, 13.4163, 59.7929



71.4109, 66.7828, 103.7343



23.4829, 25.6018, 62.0968



14.6681, 13.4474, 22.0725



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.



22.5684, 13.4163, 59.7929



30.7588, 15.5290, 95.9840



36.7877, 20.7466, 60.4584



11.0802, 11.0906, 14.1271



9.8145, 4.2671, 36.2626



0.5934, 0.2650, 1.8748

Inverse Universe

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



32.4788, 19.2394, 27.9878



48.9335, 26.2315, 36.6042



26.0088, 46.0521, 12.9872



11.4630, 11.3140, 12.9730



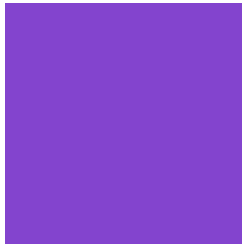
17.5223, 8.8195, 10.4693



0.9420, 0.4702, 0.7403

Previews

White Background



This preview shows how the XYZ color 22.5678, 13.4158, 59.7926 looks on a white background.

Color Contrast Check

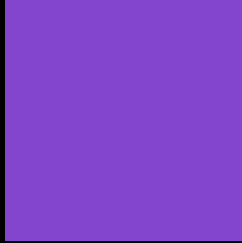
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5678, 13.4158, 59.7926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

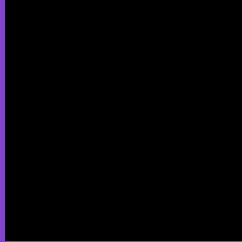
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.5678, 13.4158, 59.7926

Background



This preview shows how black text looks on a background with the XYZ color 22.5678, 13.4158, 59.7926.



This preview shows how white text looks on a background with the XYZ color 22.5678, 13.4158,

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

22.5678, 13.4158, 59.7926

Protanopia

16.0947, 13.5768, 62.7451

Deuteranopia

13.5988, 13.5220, 46.6930



Tritanopia

13.6712, 13.3647, 15.7690

Trichromacy



Original Color

22.5678, 13.4158, 59.7926



Protanomaly

16.2173, 12.2113, 61.8239



Deuteranomaly

14.4500, 12.0443, 50.8534



Tritanomaly

15.9189, 12.8142, 27.6210

Monochromacy



Original Color

22.5678, 13.4158, 59.7926



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

15.1998, 12.7165, 26.4644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5678, 13.4158, 59.7926 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(131, 68, 206)` looks like.

```
.text, #text, p{  
  color:rgb(131, 68, 206)  
}
```

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(131, 68, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 68, 206) }
```

Border

The CSS property to change the border of an element to XYZ 22.5678, 13.4158, 59.7926 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(131, 68, 206) }
```


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

```
.border{ border-color:rgb(131, 68, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 68, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 68, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 68, 206);  
box-shadow:4px 4px 4px 4px rgb(131, 68,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5678, 13.4158, 59.7926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 68, 206) }
```

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

```
.background{ background-color: rgb(131, 68,  
206) }
```

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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