

Converting Colors

XYZ(22.8170, 14.4159, 63.4358)

Have a look what the booklet for
XYZ(22.8170, 14.4159, 63.4358)
contains.

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Color

**XYZ(22.7944, 14.4370,
63.2132)**

Conversions

Conversions Part 1

Format	Color
Hex	7C4ED3
RGB	124, 78, 211
RGB Percent	49%, 31%, 83%
CMY	0.5137, 0.6941, 0.1725
CMYK	0.41, 0.63, 0.00, 0.17
HSL	261°, 60%, 57%
HSV	261°, 63%, 83%
XYZ	22.7944, 14.4370, 63.2132
YIQ	106.9160, -15.2770, 51.1150

Conversions

Conversions Part 2

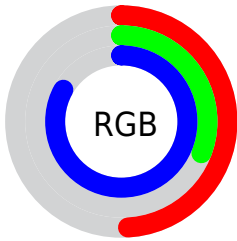
Format	Color
R_{YB}	124, 78, 211
Decimal	8146643
CIE _{Lab}	44.85, 48.35, -61.93
CIE _{LCh}	45, 78.564, 307.981
Yxy	14.4370, 0.2269, 0.1437
Android (android.graphics.Color)	4286336723 (0xFF7C4ED3)
YUV	106.9160, 51.3134, 14.9827
Hunter-Lab	37.9961, 40.5917, -72.0422

Details

The XYZ color **22.7944, 14.4370, 63.2132** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **40.1862, 55.1379, 15.7326**, and the grayscale version is **13.8180, 14.5376, 15.8315**.

A 20% lighter version of the original color is **45.1917, 32.8656, 98.5696**, and **8.5784, 4.3553, 31.3989** is the 20% darker color. If you saturate the color by 10%, you get **19.6717, 10.9476, 62.7046**, and if you desaturate by 10%, it is **26.6784, 19.0327, 63.8959**.

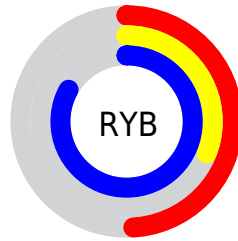
Distribution



Red (49%)

Green (31%)

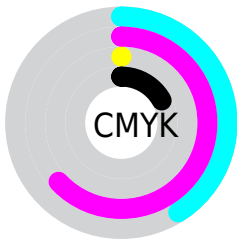
Blue (83%)



Red (49%)

Yellow (31%)

Blue (83%)

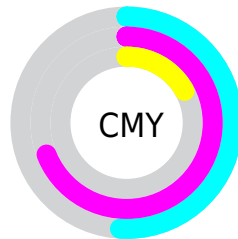


Cyan (41%)

Magenta (63%)

Yellow (0%)

Black (17%)



Cyan (51%)

Magenta (69%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7944, 14.4370, 63.2132 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 22.7944, 14.4370, 63.2132 by changing the saturation by 10% instead.

■ 22.7944, 14.4370,
63.2132

■ 22.7944, 14.4370,
63.2132

259.2223,
219.9327, 454.4720

■ 14.5616, 8.4252,
45.5716

■ 47.5247, 33.8624,
111.0656

■ 8.5966, 4.3682,
31.5617

■ 64.7529, 48.0449,
142.1134

■ 4.5340, 1.8816,
20.7649

■ 85.7102, 65.7197,
178.4671

■ 2.0085, 0.5373,
12.7627

■ 110.7621, 87.2712,
220.5452

■ 0.6387, 0.0000,
7.1365

■ 140.2740,
113.0839, 268.7662

■ 0.0000, 0.0000,
3.4679

174.6110,

■ 0.0000, 0.0000,

143.5421, 323.5486

1.3382

214.1387,
179.0303, 385.3111

■ 0.0000, 0.0000,
0.0928

■ 0.0000, 0.0000,
0.0000

■ 22.7944, 14.4370,
63.2132

■ 22.7944, 14.4370,
63.2132

■ 19.6717, 10.9476,
62.7046

■ 26.6784, 19.0327,
63.8959

■ 17.2488, 8.4615,
62.3524

■ 31.3741, 24.8221,
64.7658

■ 15.4565, 6.8572,
62.1372

■ 36.9296, 31.8852,
65.8363

■ 14.5042, 6.1189,
62.0449

■ 43.3883, 40.2943,
67.1191

■ 50.7906, 50.1165,
68.6248

■ 59.1744, 61.4141,
70.3636

■ 68.5754, 74.2457,
72.3448

■ 79.0273, 88.6667,
74.5775

■ 86.3075, 96.2199,
75.6517

Harmonies

Analogous

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



15.5061, 14.4370, 83.0320



22.7944, 14.4370, 63.2132



28.6204, 14.4370, 33.0231

Triad

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



22.7944, 14.4370, 63.2132



18.8832, 14.4370, 0.3146



4.7751, 14.4370, 21.1497

Complementary

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



22.7944, 14.4370, 63.2132



40.1862, 55.1379, 15.7326

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.



5.1715, 14.4370, 5.8492



22.7944, 14.4370, 63.2132



12.0802, 14.4370, 0.0000

Square

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



22.7944, 14.4370, 63.2132



25.9157, 14.4370, 2.4641



7.4467, 14.4370, 1.0817



6.1171, 14.4370, 49.0028

Rectangle

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



22.7944, 14.4370, 63.2132



30.1009, 14.4370, 16.9967



7.4467, 14.4370, 1.0817



4.7200, 14.4370, 14.5078

Sweetspot

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



22.7951, 14.4375, 63.2136



70.7804, 67.3649, 103.8799



28.6578, 33.8386, 66.6494



14.4706, 13.5217, 22.0972



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.



22.7951, 14.4375, 63.2136



28.6665, 15.1861, 96.0281



35.4275, 20.9497, 63.8048



11.5438, 11.6136, 14.8769



8.8532, 3.7443, 37.4486



0.5796, 0.2530, 2.0978

Inverse Universe

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



36.3799, 22.0144, 37.9282



51.9930, 28.2483, 50.2708



29.9437, 49.8577, 15.2533



12.1299, 11.9367, 13.9596



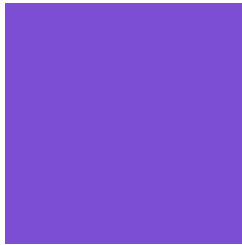
19.0316, 9.4855, 15.6047



1.1007, 0.5450, 1.0653

Previews

White Background



This preview shows how the XYZ color 22.7944, 14.4370, 63.2132 looks on a white background.

Color Contrast Check

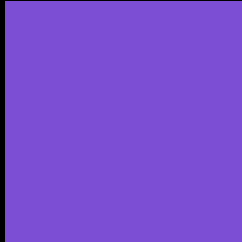
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7944, 14.4370, 63.2132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

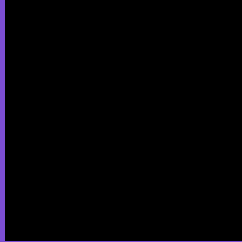
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7944, 14.4370, 63.2132

Background



This preview shows how black text looks on a background with the XYZ color 22.7944, 14.4370, 63.2132.



This preview shows how white text looks on a background with the XYZ color 22.7944, 14.4370,

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

22.7944, 14.4370, 63.2132

Protanopia

17.2758, 14.5125, 67.5363

Deuteranopia

14.5479, 14.3992, 50.1567



Tritanopia

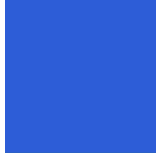
13.7280, 14.3707, 18.2699

Trichromacy



Original Color

22.7944, 14.4370, 63.2132



Protanomaly

17.2623, 13.2929, 65.9459



Deuteranomaly

15.4349, 13.1385, 54.5458



Tritanomaly

16.1183, 13.8827, 30.6843

Monochromacy



Original Color

22.7944, 14.4370, 63.2132



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

16.1038, 13.9208, 28.6263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7944, 14.4370, 63.2132 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(124, 78, 211)` looks like.

```
.text, #text, p{  
    color:rgb(124, 78, 211)  
}
```

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(124, 78, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 78, 211) }
```

Border

The CSS property to change the border of an element to XYZ 22.7944, 14.4370, 63.2132 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(124, 78, 211) }
```


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

```
.border{ border-color:rgb(124, 78, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 78, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 78, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 78, 211);  
box-shadow:4px 4px 4px 4px rgb(124, 78,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7944, 14.4370, 63.2132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 78, 211) }
```

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

```
.background{ background-color: rgb(124, 78,  
211) }
```

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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