

Converting Colors

XYZ(22.6176, 10.4358, 75.6855)

Have a look what the booklet for
XYZ(22.6176, 10.4358, 75.6855)
contains.

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Color

**XYZ(22.5959, 10.4246,
75.6841)**

Conversions

Conversions Part 1

Format	Color
Hex	7A16E6
RGB	122, 22, 230
RGB Percent	48%, 9%, 90%
CMY	0.5215, 0.9137, 0.0980
CMYK	0.47, 0.90, 0.00, 0.10
HSL	269°, 83%, 49%
HSV	269°, 90%, 90%
XYZ	22.5959, 10.4246, 75.6841
YIQ	75.6120, -7.1680, 85.8880

Conversions

Conversions Part 2

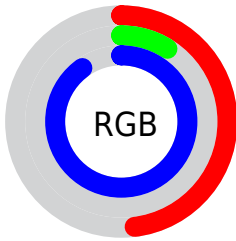
Format	Color
R _Y B	122, 22, 230
Decimal	8001254
CIE Lab	38.59, 74.42, -83.04
CIE LCh	39, 111.508, 311.869
Yxy	10.4246, 0.2079, 0.0959
Android (android.graphics.Color)	4286191334 (0xFF7A16E6)
YUV	75.6120, 76.1133, 40.6823
Hunter-Lab	32.2871, 68.4193, -116.3803

Details

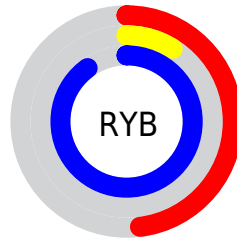
The XYZ color **22.5959, 10.4246, 75.6841** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **37.6465, 61.3970, 10.6256**, and the grayscale version is **6.6661, 7.0133, 7.6375**.

A 20% lighter version of the original color is **41.2254, 24.2267, 97.1112**, and **9.0641, 3.8014, 39.7912** is the 20% darker color. If you saturate the color by 10%, you get **20.7863, 9.0658, 75.5175**, and if you desaturate by 10%, it is **25.0443, 12.6537, 75.9856**.

Distribution



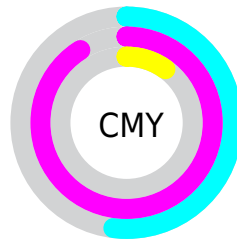
- Red (48%)
- Green (9%)
- Blue (90%)



- Red (48%)
- Yellow (9%)
- Blue (90%)



- Cyan (47%)
- Magenta (90%)
- Yellow (0%)
- Black (10%)





- Cyan (52%)
- Magenta (91%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.5959, 10.4246, 75.6841 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 22.5959, 10.4246, 75.6841 by changing the saturation by 10% instead.


 22.5959, 10.4246,
75.6841


 22.5959, 10.4246,
75.6841


258.2169,
193.6762, 499.5836


 14.4145, 5.6814,
55.6684


 47.2005, 26.5911,
129.0363


 8.4931, 2.6523,
39.5349


 64.3544, 38.7832,
163.2098


 4.4665, 0.9530,
26.8651


 85.2297, 54.2271,
202.9397

 1.9693, 0.0000,
17.2404

 110.1920, 73.3070,
248.6445

 0.6166, 0.0000,
10.2423

 139.6065, 96.4075,
300.7428

 0.0000, 0.0000,
5.4522

 173.8386,

 0.0000, 0.0000,

123.9130, 359.6530

2.4516

213.2536,
156.2077, 425.7938

■ 0.0000, 0.0000,
0.8143

■ 0.0000, 0.0000,
0.0000

■ 22.5959, 10.4246,
75.6841

■ 22.5959, 10.4246,
75.6841

■ 20.7863, 9.0658,
75.5175

■ 25.0443, 12.6537,
75.9856

■ 28.1842, 15.9479,
76.4560

■ 32.0910, 20.4468,
77.1184

■ 36.8282, 26.2679,
77.9923

■ 42.4521, 33.5141,
79.0946

■ 49.0130, 42.2777,
80.4403

■ 56.5577, 52.6434,
82.0434

■ 65.1293, 64.6891,
83.9167

■ 74.7681, 78.4877,
86.0721

Harmonies

Analogous

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



13.0967, 10.4246, 114.2810



22.5959, 10.4246, 75.6841



30.2273, 10.4246, 29.1008

Triad

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



22.5959, 10.4246, 75.6841



14.9697, 10.4246, 0.0000



1.5281, 10.4246, 21.8328

Complementary

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



22.5959, 10.4246, 75.6841



37.6465, 61.3970, 10.6256

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.



1.6455, 10.4246, 2.8564



22.5959, 10.4246, 75.6841



7.2845, 10.4246, 0.0000

Square

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



22.5959, 10.4246, 75.6841



24.5340, 10.4246, 0.0000



3.1671, 10.4246, 0.0000



2.6851, 10.4246, 65.1725

Rectangle

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



22.5959, 10.4246, 75.6841



31.7062, 10.4246, 10.0853



3.1671, 10.4246, 0.0000



1.4452, 10.4246, 12.7175

Sweetspot

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



22.5966, 10.4249, 75.6844



64.9301, 57.5004, 102.2842



22.9921, 22.6403, 78.0214



13.2290, 11.3969, 21.7525



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.



22.5966, 10.4249, 75.6844



26.1618, 11.4018, 95.4296



45.0219, 21.9855, 76.7339



14.2389, 14.2254, 18.1396



11.9076, 5.2045, 42.7601



0.9867, 0.4397, 3.1648

Inverse Universe

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



36.9489, 19.0083, 22.8381



45.4320, 22.9368, 24.0050



28.9465, 56.9119, 10.2184



14.6879, 14.4924, 16.5570



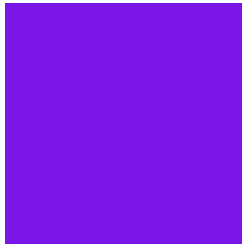
20.4366, 10.3088, 11.1939



1.5571, 0.7806, 1.0742

Previews

White Background



This preview shows how the XYZ color 22.5959, 10.4246, 75.6841 looks on a white background.

Color Contrast Check

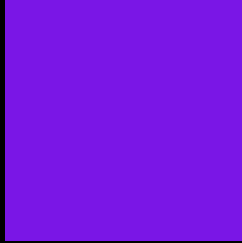
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5959, 10.4246, 75.6841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

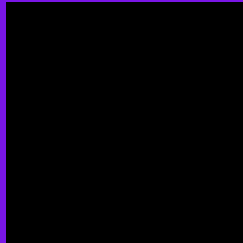
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.5959, 10.4246, 75.6841

Background



This preview shows how black text looks on a background with the XYZ color 22.5959, 10.4246, 75.6841.



This preview shows how white text looks on a background with the XYZ color 22.5959, 10.4246,

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

22.5959, 10.4246, 75.6841

Protanopia

12.2467, 10.4822, 47.2767

Deuteranopia

10.2607, 10.5086, 34.2885



Tritanopia

9.9702, 10.4387, 13.0447

Trichromacy



Original Color

22.5959, 10.4246, 75.6841



Protanomaly

13.4147, 8.4193, 56.1764



Deuteranomaly

11.8628, 8.1725, 46.8512



Tritanomaly

12.3921, 8.6811, 28.2166

Monochromacy



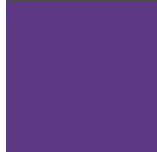
Original Color

22.5959, 10.4246, 75.6841



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

10.0932, 6.8214, 22.6145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5959, 10.4246, 75.6841 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(122, 22, 230)` looks like.

```
.text, #text, p{  
    color:rgb(122, 22, 230)  
}
```

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(122, 22, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 22, 230) }
```

Border

The CSS property to change the border of an element to XYZ 22.5959, 10.4246, 75.6841 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(122, 22, 230) }
```


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

```
.border{ border-color:rgb(122, 22, 230) }
```

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

Here you see how a box with a 4 pixel rgb(122, 22, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 22, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 22, 230);  
box-shadow:4px 4px 4px 4px rgb(122, 22,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5959, 10.4246, 75.6841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 22, 230) }
```

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

```
.background{ background-color: rgb(122, 22,  
230) }
```

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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