

Converting Colors

XYZ(22.7407, 10.0619, 76.3456)

Have a look what the booklet for
XYZ(22.7407, 10.0619, 76.3456)
contains.

XYZ(22.7360, 10.0546, 76.3437)	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(22.7360, 10.0546,
76.3437)**

Conversions

Conversions Part 1

Format	Color
Hex	7C00E7
RGB	124, 0, 231
RGB Percent	49%, 0%, 91%
CMY	0.5137, 1.0000, 0.0941
CMYK	0.46, 1.00, 0.00, 0.09
HSL	272°, 100%, 45%
HSV	272°, 100%, 91%
XYZ	22.7360, 10.0546, 76.3437
YIQ	63.4100, -0.2470, 98.1290

Conversions

Conversions Part 2

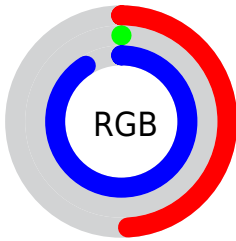
Format	Color
R_{YB}	124, 0, 231
Decimal	8126695
CIE Lab	37.94, 77.88, -84.68
CIE LCh	38, 115.046, 312.605
Yxy	10.0546, 0.2083, 0.0921
Android (android.graphics.Color)	4286316775 (0xFF7C00E7)
YUV	63.4100, 82.6219, 53.1374
Hunter-Lab	31.7090, 72.4975, -120.5524

Details

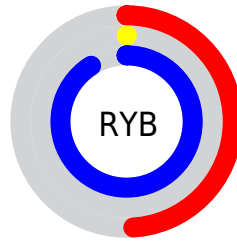
The XYZ color **22.7360, 10.0546, 76.3437** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **34.6389, 60.2775, 9.8091**, and the grayscale version is **4.6676, 4.9107, 5.3478**.

A 20% lighter version of the original color is **41.1684, 23.3964, 96.9539**, and **9.2709, 3.8967, 40.3079** is the 20% darker color. If you saturate the color by 10%, you get **22.7368, 10.0550, 76.3440**, and if you desaturate by 10%, it is **24.6764, 11.5127, 76.5232**.

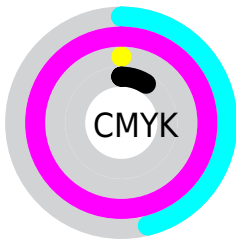
Distribution



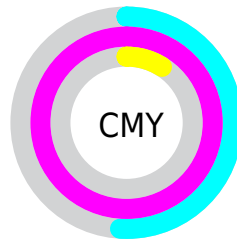
- Red (49%)
- Green (0%)
- Blue (91%)



- Red (49%)
- Yellow (0%)
- Blue (91%)



- Cyan (46%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7360, 10.0546, 76.3437 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 22.7360, 10.0546, 76.3437 by changing the saturation by 10% instead.

■ 22.7360, 10.0546,
76.3437

■ 22.7360, 10.0546,
76.3437

258.9269,
191.0613, 501.9016

■ 14.5183, 5.4352,
56.2060

■ 47.4293, 25.8981,
129.9772

■ 8.5661, 2.5048,
39.9630

■ 64.6357, 37.8911,
164.3101

■ 4.5141, 0.8790,
27.1962

■ 85.5690, 53.1106,
204.2118

■ 1.9969, 0.0000,
17.4869

■ 110.5945, 71.9411,
250.1008

■ 0.6322, 0.0000,
10.4166

■ 140.0778, 94.7671,
302.3958

■ 0.0000, 0.0000,
5.5668

■ 174.3840,

■ 0.0000, 0.0000,

121.9728, 361.5152

2.5190

213.8786,
153.9428, 427.8776

■ 0.0000, 0.0000,
0.8502

■ 0.0000, 0.0000,
0.0000

■ 22.7360, 10.0546,
76.3437

■ 22.7360, 10.0546,
76.3437

■ 22.7368, 10.0550,
76.3440

■ 24.6764, 11.5127,
76.5232

■ 27.1571, 13.7957,
76.8331

■ 30.3008, 17.1411,
77.3131

■ 34.1805, 21.6874,
77.9861

■ 38.8580, 27.5516,
78.8715

■ 44.3876, 34.8363,
79.9862

■ 50.8186, 43.6334,
81.3452

■ 58.1960, 54.0271,
82.9626

■ 66.5618, 66.0953,
84.8511

Harmonies

Analogous

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



12.9989, 10.0546, 117.7252



22.7360, 10.0546, 76.3437



30.4927, 10.0546, 28.1393

Triad

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



22.7360, 10.0546, 76.3437



14.4559, 10.0546, 0.0000



1.3214, 10.0546, 22.4235

Complementary

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



22.7360, 10.0546, 76.3437



34.6389, 60.2775, 9.8091

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.



1.4052, 10.0546, 2.7398



22.7360, 10.0546, 76.3437



6.7829, 10.0546, 0.0000

Square

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



22.7360, 10.0546, 76.3437



24.2628, 10.0546, 0.0000



2.8108, 10.0546, 0.0000



2.4562, 10.0546, 67.9121

Rectangle

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



22.7360, 10.0546, 76.3437



31.8878, 10.0546, 9.2028



2.8108, 10.0546, 0.0000



1.2358, 10.0546, 12.9004

Sweetspot

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



22.7368, 10.0550, 76.3440



63.4542, 54.4082, 101.7652



19.7654, 16.4526, 77.7355



12.8231, 10.5987, 21.6199



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.



22.7368, 10.0550, 76.3440



28.3482, 12.5289, 95.5320



46.3149, 22.3329, 71.8941



14.3181, 14.2662, 18.1433



12.8913, 5.7116, 42.8062



1.0596, 0.4772, 3.1682

Inverse Universe

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



35.6087, 18.0504, 15.5159



44.5166, 22.5707, 19.1846



28.6182, 57.1689, 9.7475



14.6533, 14.4785, 16.3749



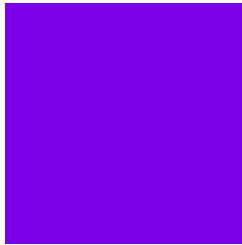
20.0240, 10.1438, 9.0212



1.5262, 0.7682, 0.9115

Previews

White Background



This preview shows how the XYZ color 22.7360, 10.0546, 76.3437 looks on a white background.

Color Contrast Check

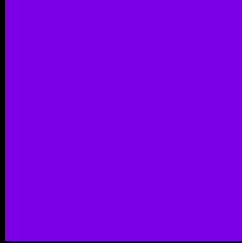
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7360, 10.0546, 76.3437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

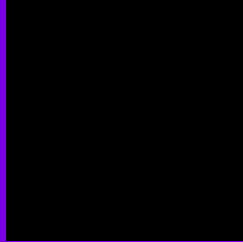
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7360, 10.0546, 76.3437

Background



This preview shows how black text looks on a background with the XYZ color 22.7360, 10.0546, 76.3437.



This preview shows how white text looks on a background with the XYZ color 22.7360, 10.0546,

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

22.7360, 10.0546, 76.3437

Protanopia

12.2467, 10.4822, 47.2767

Deuteranopia

10.1743, 10.4740, 33.8332



Tritanopia

10.1282, 10.3995, 12.7828

Trichromacy



Original Color

22.7360, 10.0546, 76.3437



Protanomaly

13.1570, 7.6505, 56.6604



Deuteranomaly

11.4550, 7.2924, 46.7028



Tritanomaly

12.2450, 7.8851, 28.0707

Monochromacy



Original Color

22.7360, 10.0546, 76.3437



Achromatopsia

4.7246, 4.9707, 5.4130



Achromatomaly

8.1432, 4.9041, 19.5862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7360, 10.0546, 76.3437 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, 0, 231)` looks like.

```
.text, #text, p{  
    color:rgb(124, 0, 231)  
}
```

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, 0, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 0, 231) }
```

Border

The CSS property to change the border of an element to XYZ 22.7360, 10.0546, 76.3437 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, 0, 231) }
```


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

```
.border{ border-color:rgb(124, 0, 231) }
```

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

Here you see how a box with a 4 pixel rgb(124, 0, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 0, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 0, 231);  
box-shadow:4px 4px 4px 4px rgb(124, 0,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7360, 10.0546, 76.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 0, 231) }
```

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

```
.background{ background-color: rgb(124, 0,  
231) }
```

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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