

Converting Colors

XYZ(24.5075, 10.7301, 87.1656)

Have a look what the booklet for
XYZ(24.5075, 10.7301, 87.1656)
contains.

XYZ(24.5075, 10.7301, 87.1656)	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>	30

Color

**XYZ(24.5075, 10.7301,
87.1656)**

Conversions

Conversions Part 1

Format	Color
Hex	7A00F5
RGB	122, 0, 245
RGB Percent	48%, 0%, 96%
CMY	0.5215, 1.0000, 0.0392
CMYK	0.50, 1.00, 0.00, 0.04
HSL	270°, 100%, 48%
HSV	270°, 100%, 96%
XYZ	24.5075, 10.7301, 87.1656
YIQ	64.4080, -5.9330, 102.0590

Conversions

Conversions Part 2

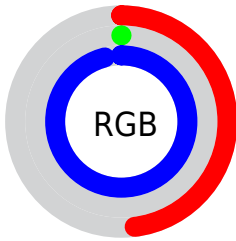
Format	Color
R _Y B	122, 0, 245
Decimal	7995637
CIE Lab	39.12, 80.65, -90.67
CIE LCh	39, 121.344, 311.652
Yxy	10.7301, 0.2002, 0.0877
Android (android.graphics.Color)	4286185717 (0xFF7A00F5)
YUV	64.4080, 89.0319, 50.5082
Hunter-Lab	32.7568, 76.2229, -134.8403

Details

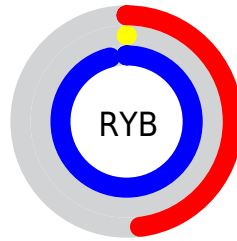
The XYZ color **24.5075, 10.7301, 87.1656** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **40.8201, 69.5156, 11.2664**, and the grayscale version is **4.8063, 5.0566, 5.5066**.

A 20% lighter version of the original color is **41.2421, 23.5440, 96.9785**, and **10.2363, 4.2408, 47.2928** is the 20% darker color. If you saturate the color by 10%, you get **24.5084, 10.7306, 87.1660**, and if you desaturate by 10%, it is **26.6988, 12.3602, 87.3650**.

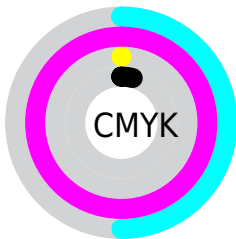
Distribution



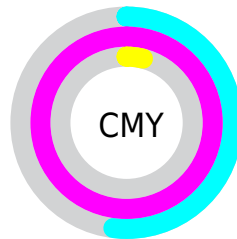
- Red (48%)
- Green (0%)
- Blue (96%)



- Red (48%)
- Yellow (0%)
- Blue (96%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)





- Cyan (52%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5075, 10.7301, 87.1656 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 24.5075, 10.7301, 87.1656 by changing the saturation by 10% instead.

 24.5075, 10.7301,
87.1656


 24.5075, 10.7301,
87.1656


267.7694,
195.8064, 539.0972


 15.8373, 5.8857,
65.0719


 50.3058, 27.1600,
145.2958


 9.4992, 2.7757,
47.0676


 68.1646, 39.5142,
182.1694


 5.1279, 1.0158,
32.7344


 89.8169, 55.1405,
224.8067

 2.3580, 0.0000,
21.6536

 115.6281, 74.4232,
273.6262

 0.8241, 0.0000,
13.4067

 145.9637, 97.7468,
329.0464

 0.0000, 0.0000,
7.5752

 181.1888,

 0.0000, 0.0000,

125.4955, 391.4860

3.7405

221.6689,
158.0540, 461.3634

■ 0.0000, 0.0000,
1.4841

■ 0.0000, 0.0000,
0.2060

■ 24.5075, 10.7301,
87.1656

■ 24.5075, 10.7301,
87.1656

■ 24.5084, 10.7306,
87.1660

■ 26.6988, 12.3602,
87.3650

■ 29.5417, 14.9558,
87.7162

■ 33.1762, 18.7848,
88.2637

■ 37.6882, 24.0088,
89.0343

■ 43.1510, 30.7639,
90.0502

■ 49.6289, 39.1694,
91.3312

■ 57.1802, 49.3325,
92.8949

■ 65.8584, 61.3510,
94.7573

■ 75.7129, 75.3154,
96.9333

Harmonies

Analogous

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



13.6913, 10.7301, 133.1650



24.5075, 10.7301, 87.1656



33.3815, 10.7301, 32.1906

Triad

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



24.5075, 10.7301, 87.1656



15.9506, 10.7301, 0.0000



1.2734, 10.7301, 23.2528

Complementary

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



24.5075, 10.7301, 87.1656



40.8201, 69.5156, 11.2664

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.



1.3950, 10.7301, 2.4995



24.5075, 10.7301, 87.1656



7.3570, 10.7301, 0.0000

Square

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



24.5075, 10.7301, 87.1656



26.8964, 10.7301, 0.0000



2.9397, 10.7301, 0.0000



2.4118, 10.7301, 73.8022

Rectangle

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



24.5075, 10.7301, 87.1656



35.1487, 10.7301, 10.4399



2.9397, 10.7301, 0.0000



1.1962, 10.7301, 13.0216

Sweetspot

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



24.5084, 10.7306, 87.1660



62.5653, 53.9500, 101.7236



24.0172, 21.6640, 89.3022



12.6128, 10.4903, 21.6100



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.



24.5084, 10.7306, 87.1660



26.8003, 11.7309, 95.4595



52.7288, 25.2788, 88.4867



16.3674, 16.3320, 20.8323



13.3627, 5.8631, 46.9654



1.2929, 0.5764, 4.1333

Inverse Universe

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



41.2311, 20.8425, 20.5868



45.1372, 22.8189, 22.4524



32.7036, 65.3314, 10.8866



16.8462, 16.6213, 18.9364



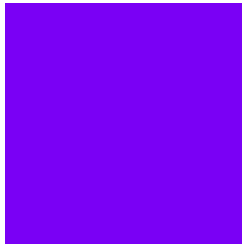
22.2820, 11.2562, 11.4591



2.0102, 1.0101, 1.2804

Previews

White Background



This preview shows how the XYZ color 24.5075, 10.7301, 87.1656 looks on a white background.

Color Contrast Check

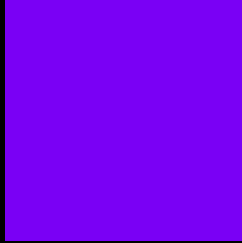
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5075, 10.7301, 87.1656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

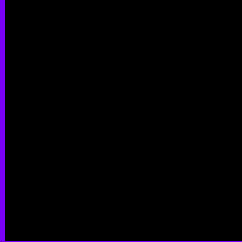
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.5075, 10.7301, 87.1656

Background



This preview shows how black text looks on a background with the XYZ color 24.5075, 10.7301, 87.1656.



This preview shows how white text looks on a background with the XYZ color 24.5075, 10.7301,

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

24.5075, 10.7301, 87.1656

Protanopia

12.9504, 11.0300, 50.1616

Tritanopia

10.0201, 10.9575, 14.4189

Trichromacy



Original Color

24.5075, 10.7301, 87.1656

Protanomaly

14.1347, 8.1149, 61.7941

Tritanomaly

12.4620, 8.1397, 31.9246

Monochromacy



Original Color

24.5075, 10.7301, 87.1656

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.5685, 5.1289, 21.6575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5075, 10.7301, 87.1656 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, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(122, 0, 245)  
}
```

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, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 0, 245) }
```

Border

The CSS property to change the border of an element to XYZ 24.5075, 10.7301, 87.1656 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, 0, 245) }
```

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

```
.border{ border-color:rgb(122, 0, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 0, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(122, 0,  
245) }
```


Background

The CSS property to change the background color of an element to XYZ 24.5075, 10.7301, 87.1656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 0, 245) }
```

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

```
.background{ background-color: rgb(122, 0,  
245) }
```

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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