

Converting Colors

XYZ(25.1822, 11.0363, 89.0821)

Have a look what the booklet for
XYZ(25.1822, 11.0363, 89.0821)
contains.

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Color

**XYZ(25.1007, 11.0005,
88.7960)**

Conversions

Conversions Part 1

Format	Color
Hex	7C00F7
RGB	124, 0, 247
RGB Percent	49%, 0%, 97%
CMY	0.5137, 1.0000, 0.0314
CMYK	0.50, 1.00, 0.00, 0.03
HSL	270°, 100%, 48%
HSV	270°, 100%, 97%
XYZ	25.1007, 11.0005, 88.7960
YIQ	65.2340, -5.3830, 103.1050

Conversions

Conversions Part 2

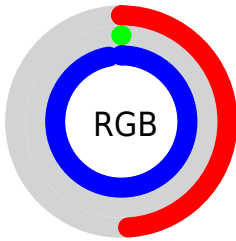
Format	Color
R_{YB}	124, 0, 247
Decimal	8126711
CIE Lab	39.58, 81.21, -91.03
CIE LCh	40, 121.990, 311.739
Yxy	11.0005, 0.2010, 0.0881
Android (android.graphics.Color)	4286316791 (0xFF7C00F7)
YUV	65.2340, 89.6106, 51.5378
Hunter-Lab	33.1670, 77.0461, -135.5166

Details

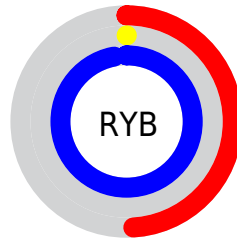
The XYZ color **25.1007, 11.0005, 88.7960** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **41.4285, 70.7323, 11.4692**, and the grayscale version is **4.9291, 5.1858, 5.6473**.

A 20% lighter version of the original color is **41.8063, 23.9460, 97.0263**, and **10.5505, 4.3779, 48.4331** is the 20% darker color. If you saturate the color by 10%, you get **25.1016, 11.0009, 88.7964**, and if you desaturate by 10%, it is **27.3328, 12.6578, 88.9986**.

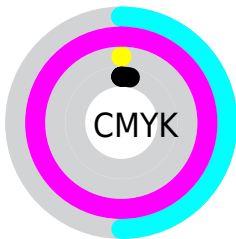
Distribution



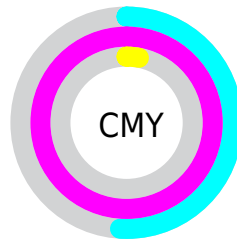
- Red (49%)
- Green (0%)
- Blue (97%)



- Red (49%)
- Yellow (0%)
- Blue (97%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)



- Cyan (51%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1007, 11.0005, 88.7960 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 25.1007, 11.0005, 88.7960 by changing the saturation by 10% instead.

■ 25.1007, 11.0005,
88.7960

■ 25.1007, 11.0005,
88.7960

270.6775,
197.6710, 544.5752

■ 16.2812, 6.0672,
66.4144

■ 51.2623, 27.6611,
147.5857

■ 9.8155, 2.8860,
48.1503

■ 69.3351, 40.1571,
184.8309

■ 5.3381, 1.0725,
33.5851

■ 91.2230, 55.9429,
227.8678

■ 2.4838, 0.0000,
22.3003

■ 117.2915, 75.4028,
277.1148

■ 0.8871, 0.0000,
13.8773

■ 147.9058, 98.9211,
332.9905

■ 0.0000, 0.0000,
7.8976

■ 183.4313,

■ 0.0000, 0.0000,

126.8823, 395.9134

3.9426

224.2334,
159.6708, 466.3021

■ 0.0000, 0.0000,
1.5939

■ 0.0000, 0.0000,
0.2865

■ 25.1007, 11.0005,
88.7960

■ 25.1007, 11.0005,
88.7960

■ 25.1016, 11.0009,
88.7964

■ 27.3328, 12.6578,
88.9986

■ 30.2261, 15.2981,
89.3557

■ 33.9227, 19.1935,
89.9128

■ 38.5101, 24.5087,
90.6969

■ 44.0629, 31.3827,
91.7311

■ 50.6466, 39.9370,
93.0352

■ 58.3204, 50.2809,
94.6273

■ 67.1387, 62.5141,
96.5238

■ 77.1519, 76.7289,
98.7398

Harmonies

Analogous

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



14.0536, 11.0005, 135.7717



25.1007, 11.0005, 88.7960



34.1396, 11.0005, 32.7876

Triad

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



25.1007, 11.0005, 88.7960



16.3012, 11.0005, 0.0000



1.3184, 11.0005, 23.9031

Complementary

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



25.1007, 11.0005, 88.7960



41.4285, 70.7323, 11.4692

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.



1.4402, 11.0005, 2.6018



25.1007, 11.0005, 88.7960



7.5310, 11.0005, 0.0000

Square

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



25.1007, 11.0005, 88.7960



27.4752, 11.0005, 0.0000



3.0197, 11.0005, 0.0000



2.4925, 11.0005, 75.5290

Rectangle

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



25.1007, 11.0005, 88.7960



35.9239, 11.0005, 10.6421



3.0197, 11.0005, 0.0000



1.2379, 11.0005, 13.4205

Sweetspot

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



25.1016, 11.0009, 88.7964



62.6576, 53.9975, 101.7279



23.9337, 21.0058, 90.7890



12.6346, 10.5016, 21.6110



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.



25.1016, 11.0009, 88.7964



26.9554, 11.8109, 95.4668



55.1464, 26.4896, 90.2024



16.3740, 16.3354, 20.8326



13.4394, 5.9026, 46.9690



1.2997, 0.5799, 4.1337

Inverse Universe

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



41.9327, 21.2041, 20.6198



45.0693, 22.7917, 22.0950



33.2609, 66.5217, 11.0870



16.8433, 16.6202, 18.9211



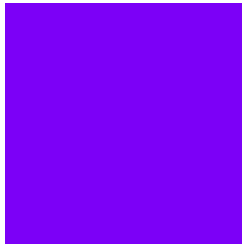
22.2484, 11.2428, 11.2824



2.0073, 1.0089, 1.2647

Previews

White Background



This preview shows how the XYZ color 25.1007, 11.0005, 88.7960 looks on a white background.

Color Contrast Check

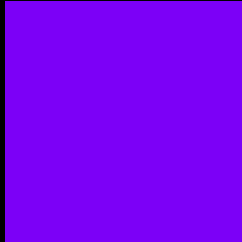
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1007, 11.0005, 88.7960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

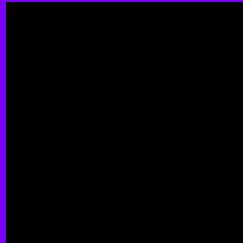
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.1007, 11.0005, 88.7960

Background



This preview shows how black text looks on a background with the XYZ color 25.1007, 11.0005, 88.7960.



This preview shows how white text looks on a background with the XYZ color 25.1007, 11.0005,

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

25.1007, 11.0005, 88.7960

Protanopia

13.2555, 11.2879, 51.3493

Tritanopia

10.3377, 11.2500, 14.7233

Trichromacy



Original Color

25.1007, 11.0005, 88.7960

Protanomaly

14.4789, 8.3375, 63.1335

Tritanomaly

12.8151, 8.3904, 32.3966

Monochromacy



Original Color

25.1007, 11.0005, 88.7960

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.7274, 5.2030, 22.0170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1007, 11.0005, 88.7960 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(124, 0, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 0, 247) }
```

Border

The CSS property to change the border of an element to XYZ 25.1007, 11.0005, 88.7960 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, 247) }
```

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

```
.border{ border-color:rgb(124, 0, 247) }
```

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, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(124, 0,  
247) }
```


Background

The CSS property to change the background color of an element to XYZ 25.1007, 11.0005, 88.7960 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, 247) }
```

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

```
.background{ background-color: rgb(124, 0,  
247) }
```

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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