

Converting Colors

XYZ(25.7291, 11.1787, 95.4094)

Have a look what the booklet for
XYZ(25.7291, 11.1787, 95.4094)
contains.

XYZ(25.7957, 11.2131, 95.4125)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

**XYZ(25.7957, 11.2131,
95.4125)**

Conversions

Conversions Part 1

Format	Color
Hex	7800FF
RGB	120, 0, 255
RGB Percent	47%, 0%, 100%
CMY	0.5294, 1.0000, 0.0000
CMYK	0.53, 1.00, 0.00, 0.00
HSL	268°, 100%, 50%
HSV	268°, 100%, 100%
XYZ	25.7957, 11.2131, 95.4125
YIQ	64.9500, -10.3350, 104.7450

Conversions

Conversions Part 2

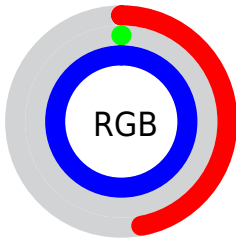
Format	Color
R _Y B	120, 0, 255
Decimal	7864575
CIE Lab	39.94, 82.61, -94.94
CIE LCh	40, 125.855, 311.028
Yxy	11.2131, 0.1948, 0.0847
Android (android.graphics.Color)	4286054655 (0xFF7800FF)
YUV	64.9500, 93.6947, 48.2789
Hunter-Lab	33.4860, 78.9059, -145.4965

Details

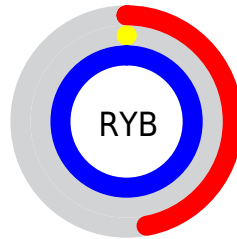
The XYZ color **25.7957, 11.2131, 95.4125** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **45.7507, 76.6704, 12.3876**, and the grayscale version is **4.8809, 5.1351, 5.5921**.

A 20% lighter version of the original color is **41.0749, 23.5689, 96.9921**, and **10.9925, 4.5026, 53.1130** is the 20% darker color. If you saturate the color by 10%, you get **25.7966, 11.2135, 95.4125**, and if you desaturate by 10%, it is **28.1613, 12.9646, 95.6259**.

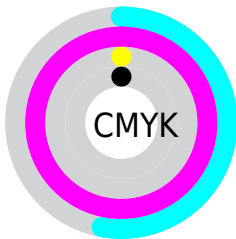
Distribution



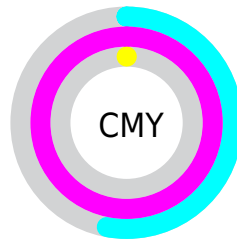
- Red (47%)
- Green (0%)
- Blue (100%)



- Red (47%)
- Yellow (0%)
- Blue (100%)



- Cyan (53%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.7957, 11.2131, 95.4125 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 25.7957, 11.2131, 95.4125 by changing the saturation by 10% instead.


 25.7957, 11.2131,
95.4125

 25.7957, 11.2131,
95.4125


274.0529,
199.1238, 566.5027


 16.8027, 6.2104,
71.8796


 52.3788, 28.0536,
156.8348


 10.1884, 2.9734,
52.5741


 70.6997, 40.6601,
195.5613


 5.5873, 1.1179,
37.0775


 92.8606, 56.5699,
240.1894

 2.6340, 0.0000,
24.9712

 119.2269, 76.1676,
291.1376

 0.9633, 0.0000,
15.8368

 150.1639, 99.8374,
348.8246

 0.0000, 0.0000,
9.2556

 186.0370,

 0.0000, 0.0000,

127.9638, 413.6687

4.8092

227.2115,
160.9311, 486.0886

■ 0.0000, 0.0000,
2.0790

■ 0.0000, 0.0000,
0.6032

■ 25.7957, 11.2131,
95.4125

■ 25.7957, 11.2131,
95.4125

■ 25.7966, 11.2135,
95.4125

■ 28.1613, 12.9646,
95.6259

■ 31.2673, 15.7911,
96.0078

■ 35.2672, 19.9837,
96.6062

■ 40.2577, 25.7218,
97.4507

■ 46.3209, 33.1566,
98.5662

■ 53.5293, 42.4203,
99.9744

■ 61.9483, 53.6319,
101.6947

■ 71.6382, 66.8999,
103.7450

■ 82.6546, 82.3247,
106.1416

Harmonies

Analogous

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



14.1796, 11.2131, 144.8717



25.7957, 11.2131, 95.4125



35.5134, 11.2131, 35.2733

Triad

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



25.7957, 11.2131, 95.4125



17.0564, 11.2131, 0.0000



1.2360, 11.2131, 23.8244

Complementary

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



25.7957, 11.2131, 95.4125



45.7507, 76.6704, 12.3876

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.



1.3838, 11.2131, 2.3301



25.7957, 11.2131, 95.4125



7.7734, 11.2131, 0.0000

Square

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



25.7957, 11.2131, 95.4125



28.8567, 11.2131, 0.0000



3.0274, 11.2131, 0.0000



2.3744, 11.2131, 78.1356

Rectangle

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



25.7957, 11.2131, 95.4125



37.5684, 11.2131, 11.3716



3.0274, 11.2131, 0.0000



1.1647, 11.2131, 13.0869

Sweetspot

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



25.7966, 11.2135, 95.4125



61.9483, 53.6319, 101.6947



26.8542, 24.8283, 97.9847



12.4673, 10.4153, 21.6032



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.



25.7966, 11.2135, 95.4125



56.2317, 26.9034, 96.8369



17.8159, 17.7968, 22.7461



13.6484, 5.9465, 49.8630



1.4538, 0.6434, 4.8608

Inverse Universe

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



45.6128, 23.0091, 24.9566



35.8664, 71.5749, 11.9250



18.4112, 18.1478, 20.7827



23.9098, 12.0532, 13.4414



2.3832, 1.1957, 1.5996

Previews

White Background



This preview shows how the XYZ color 25.7957, 11.2131, 95.4125 looks on a white background.

Color Contrast Check

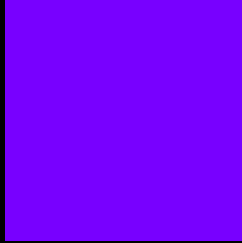
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7957, 11.2131, 95.4125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

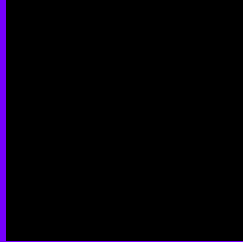
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.7957, 11.2131, 95.4125

Background



This preview shows how black text looks on a background with the XYZ color 25.7957, 11.2131, 95.4125.



This preview shows how white text looks on a background with the XYZ color 25.7957, 11.2131,

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

25.7957, 11.2131, 95.4125

Protanopia

13.4528, 11.5045, 51.9636

Deuteranopia

11.1592, 11.4520, 37.2196



Tritanopia

9.8633, 11.4017, 15.5908

Trichromacy



Original Color

25.7957, 11.2131, 95.4125

Protanomaly

14.9973, 8.6213, 65.8394

Deuteranomaly

12.9544, 8.0579, 54.2986

Tritanomaly

12.4270, 8.3019, 34.6657

Monochromacy



Original Color

25.7957, 11.2131, 95.4125

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.8423, 5.2384, 23.0993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7957, 11.2131, 95.4125 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(120, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 0, 255)  
}
```

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(120, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 25.7957, 11.2131, 95.4125 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(120, 0, 255) }
```

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

```
.border{ border-color:rgb(120, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(120, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7957, 11.2131, 95.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 0, 255) }
```

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

```
.background{ background-color: rgb(120, 0,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

[@ConvertingColor](#)