

Converting Colors

XYZ(25.8454, 12.9961, 95.7540)

Have a look what the booklet for
XYZ(25.8454, 12.9961, 95.7540)
contains.

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Color

**XYZ(25.7894, 12.9672,
95.7514)**

Conversions

Conversions Part 1

Format	Color
Hex	6F33FF
RGB	111, 51, 255
RGB Percent	44%, 20%, 100%
CMY	0.5647, 0.8000, 0.0000
CMYK	0.56, 0.80, 0.00, 0.00
HSL	258°, 100%, 60%
HSV	258°, 80%, 100%
XYZ	25.7894, 12.9672, 95.7514
YIQ	92.1960, -29.7240, 76.1640

Conversions

Conversions Part 2

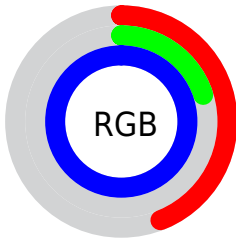
Format	Color
R _Y B	111, 51, 255
Decimal	7287807
CIE Lab	42.71, 70.62, -90.38
CIE LCh	43, 114.700, 308.002
Yxy	12.9672, 0.1917, 0.0964
Android (android.graphics.Color)	4285477887 (0xFF6F33FF)
YUV	92.1960, 80.2624, 16.4911
Hunter-Lab	36.0100, 64.8194, -132.4465

Details

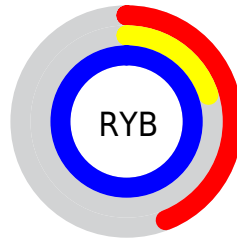
The XYZ color **25.7894, 12.9672, 95.7514** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **58.8607, 83.3598, 16.1195**, and the grayscale version is **10.0443, 10.5674, 11.5079**.

A 20% lighter version of the original color is **41.1085, 26.7582, 97.6059**, and **10.4789, 4.2379, 53.0890** is the 20% darker color. If you saturate the color by 10%, you get **22.9234, 10.2643, 95.3808**, and if you desaturate by 10%, it is **29.7231, 17.1254, 96.3467**.

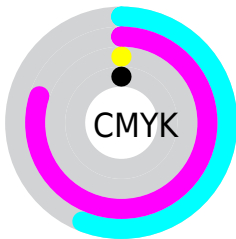
Distribution



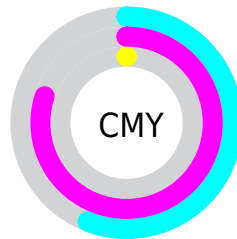
- Red (44%)
- Green (20%)
- Blue (100%)



- Red (44%)
- Yellow (20%)
- Blue (100%)



- Cyan (56%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7894, 12.9672, 95.7514 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 25.7894, 12.9672, 95.7514 by changing the saturation by 10% instead.


 25.7894, 12.9672,
95.7514


 25.7894, 12.9672,
95.7514


274.0224,
210.7074, 567.6134

 16.7980, 7.4060,
72.1602


 52.3687, 31.2448,
157.3068


 10.1850, 3.7173,
52.8019


 70.6874, 44.7300,
196.1080


 5.5850, 1.5167,
37.2580


 92.8458, 61.6254,
240.8164

 2.6327, 0.3004,
25.1100

 119.2094, 82.3152,
291.8503

 0.9626, 0.0000,
15.9392

 150.1435,
107.1839, 349.6285

 0.0000, 0.0000,
9.3273

 186.0135,

 0.0000, 0.0000,

136.6159, 414.5694

4.8555

227.1847,
170.9956, 487.0915

■ 0.0000, 0.0000,
2.1055

■ 0.0000, 0.0000,
0.6190

■ 25.7894, 12.9672,
95.7514

■ 25.7894, 12.9672,
95.7514

■ 22.9234, 10.2643,
95.3808

■ 29.7231, 17.1254,
96.3467

■ 20.9525, 8.7163,
95.1858

■ 34.8347, 22.9258,
97.1969

■ 41.2217, 30.5274,
98.3275

■ 48.9700, 40.0694,
99.7609

■ 58.1575, 51.6770,
101.5172

■ 68.8560, 65.4649,
103.6146

■ 81.1322, 81.5389,
106.0702

95.0487, 99.9983,
108.8997

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



14.8080, 12.9672, 134.9140



25.7894, 12.9672, 95.7514



35.3067, 12.9672, 40.8051

Triad

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



25.7894, 12.9672, 95.7514



19.7279, 12.9672, 0.0000



2.0639, 12.9672, 21.9093

Complementary

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



25.7894, 12.9672, 95.7514



58.8607, 83.3598, 16.1195

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.



2.4019, 12.9672, 2.6924



25.7894, 12.9672, 95.7514



10.1362, 12.9672, 0.0000

Square

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



25.7894, 12.9672, 95.7514



30.8073, 12.9672, 0.2115



4.6186, 12.9672, 0.0000



3.2745, 12.9672, 69.0749

Rectangle

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



25.7894, 12.9672, 95.7514



37.8037, 12.9672, 15.8593



4.6186, 12.9672, 0.0000



2.0178, 12.9672, 12.5111

Sweetspot

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



25.7902, 12.9674, 95.7514



64.3918, 59.6823, 102.7338



39.4267, 47.9469, 101.7844



12.9760, 11.7365, 21.8314



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.



25.7902, 12.9674, 95.7514



21.6587, 9.2447, 95.2506



46.0403, 23.4068, 96.6991



17.5051, 17.6366, 22.7315



11.0769, 4.6208, 49.7427



1.1821, 0.5033, 4.8481

Inverse Universe

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



52.2730, 27.5672, 54.1900



49.8969, 24.8999, 46.9703



41.0974, 74.2025, 15.2882



18.5516, 18.2039, 21.5218



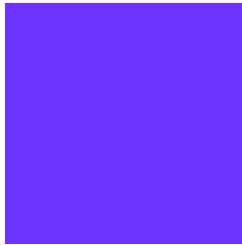
25.9214, 12.8578, 24.0342



2.5717, 1.2711, 2.5921

Previews

White Background



This preview shows how the XYZ color 25.7894, 12.9672, 95.7514 looks on a white background.

Color Contrast Check

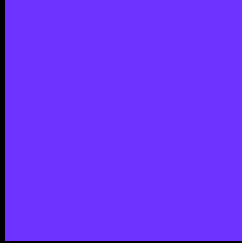
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7894, 12.9672, 95.7514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

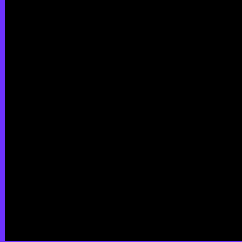
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.7894, 12.9672, 95.7514

Background



This preview shows how black text looks on a background with the XYZ color 25.7894, 12.9672, 95.7514.



This preview shows how white text looks on a background with the XYZ color 25.7894, 12.9672,

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

25.7894, 12.9672, 95.7514

Protanopia

15.1738, 12.9090, 58.8187

Deuteranopia

12.4902, 12.7565, 41.8483



Tritanopia

10.3186, 12.9159, 18.4722

Trichromacy



Original Color

25.7894, 12.9672, 95.7514



Protanomaly

17.0630, 11.5162, 71.1356



Deuteranomaly

14.8249, 11.1036, 57.8618



Tritanomaly

13.5251, 11.2261, 38.0132

Monochromacy



Original Color

25.7894, 12.9672, 95.7514



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

13.3854, 10.1948, 30.5405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7894, 12.9672, 95.7514 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(111, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(111, 51, 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(111, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 25.7894, 12.9672, 95.7514 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(111, 51, 255) }
```


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

```
.border{ border-color:rgb(111, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(111, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7894, 12.9672, 95.7514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 51, 255) }
```

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

```
.background{ background-color: rgb(111, 51,  
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](#).

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