

Converting Colors

XYZ(30.6986, 13.8268, 91.7484)

Have a look what the booklet for
XYZ(30.6986, 13.8268, 91.7484)
contains.

XYZ(30.5817, 13.7722, 91.4889)	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(30.5817, 13.7722,
91.4889)**

Conversions

Conversions Part 1

Format	Color
Hex	9A00FA
RGB	154, 0, 250
RGB Percent	60%, 0%, 98%
CMY	0.3961, 1.0000, 0.0196
CMYK	0.38, 1.00, 0.00, 0.02
HSL	277°, 100%, 49%
HSV	277°, 100%, 98%
XYZ	30.5817, 13.7722, 91.4889
YIQ	74.5460, 11.5340, 110.3980

Conversions

Conversions Part 2

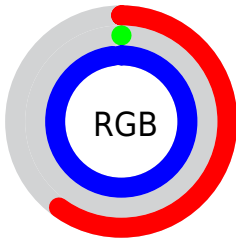
Format	Color
RYB	154, 0, 250
Decimal	10092794
CIELab	43.90, 84.41, -85.44
CIElCh	44, 120.106, 314.652
Yxy	13.7722, 0.2251, 0.1014
Android (android.graphics.Color)	4288282874 (0xFF9A00FA)
YUV	74.5460, 86.4988, 69.6812
Hunter-Lab	37.1109, 82.1510, -120.1890

Details

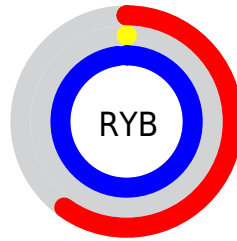
The XYZ color **30.5817, 13.7722, 91.4889** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **39.0095, 70.8582, 11.6211**, and the grayscale version is **6.4562, 6.7924, 7.3969**.

A 20% lighter version of the original color is **49.7771, 28.6353, 97.5114**, and **13.8288, 6.0299, 50.3042** is the 20% darker color. If you saturate the color by 10%, you get **30.5823, 13.7725, 91.4892**, and if you desaturate by 10%, it is **32.8312, 15.4479, 91.6941**.

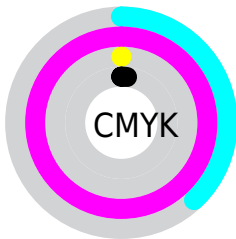
Distribution



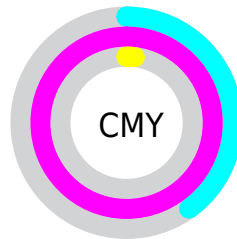
- Red (60%)
- Green (0%)
- Blue (98%)



- Red (60%)
- Yellow (0%)
- Blue (98%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)




- Cyan (40%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5817, 13.7722, 91.4889 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 30.5817, 13.7722, 91.4889 by changing the saturation by 10% instead.

 30.5817, 13.7722,
91.4889


 30.5817, 13.7722,
91.4889


296.4680,
215.8090, 553.5570

 20.4308, 7.9624,
68.6355


 59.9612, 32.6843,
151.3584


 12.8187, 4.0709,
49.9450


 79.9206, 46.5554,
189.2115


 7.3799, 1.7133,
34.9989


 103.8801, 63.8823,
232.9017

 3.7493, 0.4322,
23.3784

 132.2052, 85.0495,
282.8475

 1.5613, 0.0000,
14.6653

 165.2611,
110.4414, 339.4674

 0.3670, 0.0000,
8.4408

 203.4133,

 0.0000, 0.0000,

140.4424, 403.1799

4.2865

247.0272,
175.4368, 474.4036

■ 0.0000, 0.0000,
1.7838

■ 0.0000, 0.0000,
0.4172

■ 30.5817, 13.7722,
91.4889

■ 30.5817, 13.7722,
91.4889

■ 30.5823, 13.7725,
91.4892

■ 32.8312, 15.4479,
91.6941

■ 35.6747, 18.0910,
92.0544

■ 39.2532, 21.9778,
92.6160

■ 43.6532, 27.2761,
93.4068

■ 48.9471, 34.1269,
94.4501

■ 55.1990, 42.6537,
95.7664

■ 62.4662, 52.9670,
97.3741

■ 70.8013, 65.1679,
99.2898

■ 80.2530, 79.3497,
101.5290

Harmonies

Analogous

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



18.2753, 13.7722, 143.9063



30.5817, 13.7722, 91.4889



39.7880, 13.7722, 33.5420

Triad

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



30.5817, 13.7722, 91.4889



18.5447, 13.7722, 0.0000



2.1776, 13.7722, 32.5016

Complementary

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



30.5817, 13.7722, 91.4889



39.0095, 70.8582, 11.6211

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.



2.1950, 13.7722, 4.9734



30.5817, 13.7722, 91.4889



8.9920, 13.7722, 0.0000

Square

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



30.5817, 13.7722, 91.4889



30.8592, 13.7722, 0.0000



3.9918, 13.7722, 0.0000



3.9211, 13.7722, 89.9947

Rectangle

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



30.5817, 13.7722, 91.4889



41.0418, 13.7722, 11.1407



3.9918, 13.7722, 0.0000



2.0200, 13.7722, 19.6507

Sweetspot

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



30.5825, 13.7726, 91.4893



65.3166, 55.3683, 101.8523



21.8127, 16.0168, 92.3847



13.2655, 10.8268, 21.6406



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.



30.5825, 13.7726, 91.4893



31.9708, 14.3964, 95.7015



53.0152, 25.7604, 73.4126



17.3098, 17.1723, 21.7876



16.3873, 7.3907, 48.5364



1.6360, 0.7455, 4.5008

Inverse Universe

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



41.5358, 21.1686, 12.9629



43.4407, 22.1403, 13.5187



34.3612, 68.4416, 12.3194



17.5204, 17.3355, 19.3304



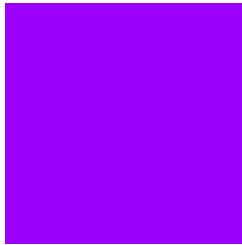
22.0966, 11.2544, 7.2173



2.0965, 1.0623, 0.9317

Previews

White Background



This preview shows how the XYZ color 30.5817, 13.7722, 91.4889 looks on a white background.

Color Contrast Check

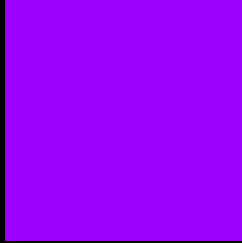
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.5817, 13.7722, 91.4889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

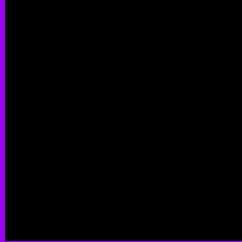
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.5817, 13.7722, 91.4889

Background



This preview shows how black text looks on a background with the XYZ color 30.5817, 13.7722, 91.4889.



This preview shows how white text looks on a background with the XYZ color 30.5817, 13.7722,

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

30.5817, 13.7722, 91.4889

Protanopia

16.7616, 14.3068, 64.8289

Deuteranopia

14.0143, 14.1858, 47.3469



Tritanopia

15.3749, 14.1153, 15.2788

Trichromacy



Original Color

30.5817, 13.7722, 91.4889



Protanomaly

17.2487, 10.1123, 72.9943



Deuteranomaly

15.1442, 9.6511, 60.7392



Tritanomaly

18.0475, 11.1481, 33.5483

Monochromacy



Original Color

30.5817, 13.7722, 91.4889



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.4261, 6.9210, 25.1598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5817, 13.7722, 91.4889 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(154, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(154, 0, 250)  
}
```

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(154, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 0, 250) }
```

Border

The CSS property to change the border of an element to XYZ 30.5817, 13.7722, 91.4889 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(154, 0, 250) }
```


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

```
.border{ border-color:rgb(154, 0, 250) }
```

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

Here you see how a box with a 4 pixel rgb(154, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(154, 0,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5817, 13.7722, 91.4889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 0, 250) }
```

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

```
.background{ background-color: rgb(154, 0,  
250) }
```

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](#)