

Converting Colors

XYZ(35.9494, 30.0949, 78.8740)

Have a look what the booklet for
XYZ(35.9494, 30.0949, 78.8740)
contains.

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Color

**XYZ(35.9911, 30.1838,
78.7920)**

Conversions

Conversions Part 1

Format	Color
Hex	9789E6
RGB	151, 137, 230
RGB Percent	59%, 54%, 90%
CMY	0.4078, 0.4627, 0.0980
CMYK	0.34, 0.40, 0.00, 0.10
HSL	249°, 65%, 72%
HSV	249°, 40%, 90%
XYZ	35.9911, 30.1838, 78.7920
YIQ	151.7880, -21.5090, 31.8910

Conversions

Conversions Part 2

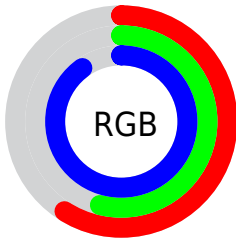
Format	Color
R_{YB}	151, 137, 230
Decimal	9931238
CIE _{Lab}	61.81, 26.33, -45.40
CIE _{LCh}	62, 52.484, 300.118
Yxy	30.1838, 0.2483, 0.2082
Android (android.graphics.Color)	4288121318 (0xFF9789E6)
YUV	151.7880, 38.5585, -0.6911
Hunter-Lab	54.9398, 20.7909, -46.5730

Details

The XYZ color **35.9911, 30.1838, 78.7920** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **61.1314, 72.9991, 34.5362**, and the grayscale version is **29.6005, 31.1420, 33.9136**.

A 20% lighter version of the original color is **62.4759, 57.4568, 102.4052**, and **15.8720, 12.3592, 41.5934** is the 20% darker color. If you saturate the color by 10%, you get **29.7331, 22.6110, 77.6607**, and if you desaturate by 10%, it is **43.5491, 39.4622, 80.1851**.

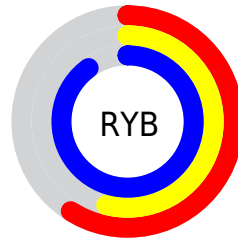
Distribution



Red (59%)

Green (54%)

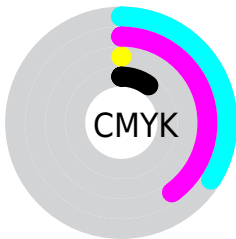
Blue (90%)



Red (59%)

Yellow (54%)

Blue (90%)

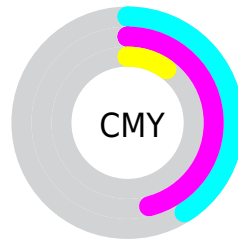


Cyan (34%)

Magenta (40%)

Yellow (0%)

Black (10%)



Cyan (41%)

Magenta (46%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9911, 30.1838, 78.7920 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 35.9911, 30.1838, 78.7920 by changing the saturation by 10% instead.

■ 35.9911, 30.1838,
78.7920

■ 35.9911, 30.1838,
78.7920

320.3536,
302.7602, 510.4514

■ 24.5974, 19.9781,
58.2045

■ 68.3423, 59.9527,
133.4620

■ 15.9045, 12.3792,
41.5573

■ 90.0305, 80.2848,
168.3816

■ 9.5470, 7.0025,
28.4318

■ 115.8809,
104.7611, 208.9156

■ 5.1596, 3.4636,
18.4096

146.2589,
133.7660, 255.4827

■ 2.3769, 1.3783,
11.0720

181.5298,
167.6840, 308.5012

■ 0.8336, 0.2007,
6.0005

222.0590,

■ 0.0000, 0.0000,

206.8995, 368.3898

2.7766

268.2118,
251.7968, 435.5670

■ 0.0000, 0.0000,
0.9817

■ 0.0000, 0.0000,
0.0000

■ 35.9911, 30.1838,
78.7920

■ 35.9911, 30.1838,
78.7920

■ 29.7331, 22.6110,
77.6607

■ 43.5491, 39.4622,
80.1851

■ 24.6974, 16.6359,
76.7728

■ 52.4719, 50.5386,
81.8528

■ 20.8031, 12.1433,
76.1109

■ 62.8241, 63.5025,
83.8095

■ 17.9581, 9.0009,
75.6543

■ 74.6651, 78.4366,
86.0680

■ 16.0549, 7.0526,
75.3785

■ 88.0510, 95.4188,
88.6403

■ 14.9636, 6.0640,
75.2452

■ 91.2830, 98.4932,
89.0634

Harmonies

Analogous

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



28.7164, 30.1838, 88.4922



35.9911, 30.1838, 78.7920



42.0220, 30.1838, 56.0706

Triad

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



35.9911, 30.1838, 78.7920



35.9355, 30.1838, 9.4833



17.2186, 30.1838, 32.9442

Complementary

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



35.9911, 30.1838, 78.7920



61.1314, 72.9991, 34.5362

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.



18.5242, 30.1838, 17.1504



35.9911, 30.1838, 78.7920



28.6612, 30.1838, 7.4157

Square

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



35.9911, 30.1838, 78.7920



41.9864, 30.1838, 17.0617



22.4477, 30.1838, 9.5179



18.5449, 30.1838, 56.2665

Rectangle

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



35.9911, 30.1838, 78.7920



44.1072, 30.1838, 39.9392



22.4477, 30.1838, 9.5179



17.3611, 30.1838, 26.6797

Sweetspot

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



35.9922, 30.1849, 78.7927



77.1286, 77.4057, 105.4834



49.1689, 60.1697, 83.8859



16.1268, 16.0888, 22.5054



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.



35.9922, 30.1849, 78.7927



38.4084, 29.5751, 98.2920



46.3734, 35.5366, 79.2785



13.7838, 13.9908, 18.1183



8.5348, 3.4658, 42.6023



0.6937, 0.2886, 3.1511

Inverse Universe

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



53.9740, 39.6730, 69.7784



64.3970, 43.3057, 84.4653



49.2934, 66.8964, 33.9822



14.8969, 14.5760, 17.6577



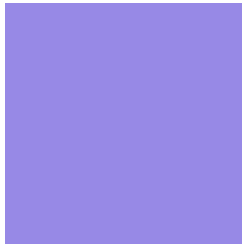
24.1120, 11.7790, 30.5484



1.8072, 0.8806, 2.3913

Previews

White Background



This preview shows how the XYZ color 35.9911, 30.1838, 78.7920 looks on a white background.

Color Contrast Check

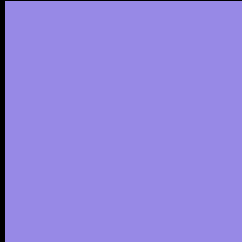
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 35.9911, 30.1838, 78.7920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

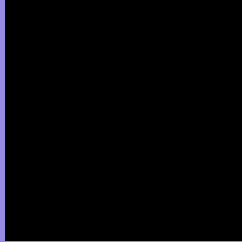
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.9911, 30.1838, 78.7920

Background



This preview shows how black text looks on a background with the XYZ color 35.9911, 30.1838, 78.7920.



This preview shows how white text looks on a background with the XYZ color 35.9911, 30.1838,

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

35.9911, 30.1838, 78.7920

Protanopia

32.6509, 30.3082, 85.0181

Deuteranopia

31.1681, 30.4205, 76.9020



Tritanopia

27.9940, 30.0959, 38.9840

Trichromacy



Original Color

35.9911, 30.1838, 78.7920

Protanomaly

33.5703, 30.1551, 82.6484

Deuteranomaly

32.7332, 30.2879, 77.5197

Tritanomaly

30.4039, 29.8964, 51.1818

Monochromacy



Original Color

35.9911, 30.1838, 78.7920

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.6208, 30.8381, 47.4658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9911, 30.1838, 78.7920 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(151, 137, 230)` looks like.

```
.text, #text, p{  
    color:rgb(151, 137, 230)  
}
```

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(151, 137, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 137, 230) }
```

Border

The CSS property to change the border of an element to XYZ 35.9911, 30.1838, 78.7920 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(151, 137, 230) }
```


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

```
.border{ border-color:rgb(151, 137, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 137, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 137, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 137, 230);  
box-shadow:4px 4px 4px 4px rgb(151, 137,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9911, 30.1838, 78.7920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 137, 230) }
```

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

```
.background{ background-color: rgb(151,  
137, 230) }
```

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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