

Converting Colors

XYZ(33.8491, 24.7816, 90.9950)

Have a look what the booklet for
XYZ(33.8491, 24.7816, 90.9950)
contains.

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Color

**XYZ(33.8491, 24.7816,
90.9950)**

Conversions

Conversions Part 1

Format	Color
Hex	8C74F7
RGB	140, 116, 247
RGB Percent	55%, 45%, 97%
CMY	0.4510, 0.5451, 0.0314
CMYK	0.43, 0.53, 0.00, 0.03
HSL	251°, 89%, 71%
HSV	251°, 53%, 97%
XYZ	33.8491, 24.7816, 90.9950
YIQ	138.1100, -27.7470, 45.8290

Conversions

Conversions Part 2

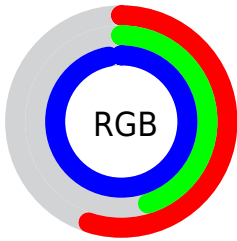
Format	Color
R _Y B	140, 116, 247
Decimal	9204983
CIE Lab	56.86, 40.35, -62.76
CIE LCh	57, 74.614, 302.737
Yxy	24.7816, 0.2262, 0.1656
Android (android.graphics.Color)	4287395063 (0xFF8C74F7)
YUV	138.1100, 53.6828, 1.6575
Hunter-Lab	49.7811, 34.2556, -73.5295

Details

The XYZ color **33.8491, 24.7816, 90.9950** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **66.8441, 83.4705, 29.1118**, and the grayscale version is **24.0096, 25.2600, 27.5081**.

A 20% lighter version of the original color is **55.7912, 47.7380, 100.8816**, and **14.6948, 9.4813, 49.7708** is the 20% darker color. If you saturate the color by 10%, you get **28.2778, 18.2302, 90.0246**, and if you desaturate by 10%, it is **40.8025, 33.1693, 92.2480**.

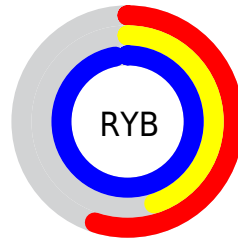
Distribution



Red (55%)

Green (45%)

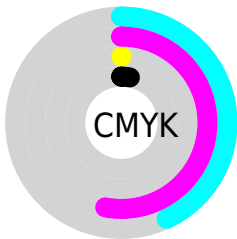
Blue (97%)



Red (55%)

Yellow (45%)

Blue (97%)

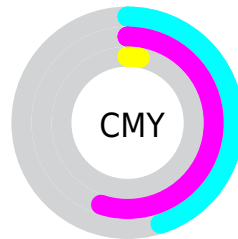


Cyan (43%)

Magenta (53%)

Yellow (0%)

Black (3%)



Cyan (45%)

Magenta (55%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8491, 24.7816, 90.9950 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 33.8491, 24.7816, 90.9950 by changing the saturation by 10% instead.

■ 33.8491, 24.7816,
90.9950

■ 33.8491, 24.7816,
90.9950

311.0564,
276.7485, 551.9157

■ 22.9400, 15.9144,
68.2278

■ 65.0448, 51.3027,
150.6673

■ 14.6697, 9.4636,
49.6153

■ 86.0621, 69.7254,
188.4095

■ 8.6727, 5.0448,
34.7388

■ 111.1796, 92.1020,
231.9805

■ 4.5837, 2.2736,
23.1798

140.7626,
118.8171, 281.7987

■ 2.0374, 0.7597,
14.5198

175.1764,
150.2548, 338.2829

■ 0.6548, 0.0000,
8.3402

214.7864,

■ 0.0000, 0.0000,

186.7997, 401.8514

4.2225

259.9580,
228.8362, 472.9228

■ 0.0000, 0.0000,
1.7482

■ 0.0000, 0.0000,
0.3934

■ 33.8491, 24.7816,
90.9950

■ 33.8491, 24.7816,
90.9950

■ 28.2778, 18.2302,
90.0246

■ 40.8025, 33.1693,
92.2480

■ 23.9897, 13.3723,
89.3129

■ 49.2210, 43.5166,
93.8015

■ 20.8778, 10.0474,
88.8352

■ 59.1846, 55.9385,
95.6741

■ 18.8141, 8.0619,
88.5607

■ 70.7666, 70.5408,
97.8822

■ 17.8822, 7.2792,
88.4588

■ 84.0355, 87.4216,
100.4412

■ 93.7886, 99.4954,
102.2576

Harmonies

Analogous

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



24.3650, 24.7816, 109.1325



33.8491, 24.7816, 90.9950



41.8504, 24.7816, 55.5422

Triad

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



33.8491, 24.7816, 90.9950



32.1115, 24.7816, 2.8380



10.4500, 24.7816, 29.3446

Complementary

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



33.8491, 24.7816, 90.9950



66.8441, 83.4705, 29.1118

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.



11.5609, 24.7816, 10.4078



33.8491, 24.7816, 90.9950



22.7616, 24.7816, 1.8156

Square

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



33.8491, 24.7816, 90.9950



40.6854, 24.7816, 8.4396



15.5920, 24.7816, 3.3809



12.0669, 24.7816, 62.2286

Rectangle

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



33.8491, 24.7816, 90.9950



44.4402, 24.7816, 33.5291



15.5920, 24.7816, 3.3809



10.5174, 24.7816, 21.3496

Sweetspot

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



33.8502, 24.7824, 90.9956



72.1722, 70.8929, 104.4876



50.9618, 64.3696, 97.7348



14.8907, 14.4709, 22.2583



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.



33.8502, 24.7824, 90.9956



29.8440, 18.9556, 96.6936



47.7539, 31.9501, 91.6463



15.8644, 16.0727, 20.8088



9.5422, 3.8935, 46.7866



0.9150, 0.3816, 4.1157

Inverse Universe

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



57.9225, 37.5930, 74.0135



58.6536, 34.3212, 74.8365



50.8443, 75.2223, 28.3630



17.0757, 16.7131, 20.1453



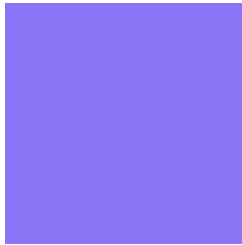
25.9570, 12.7263, 30.8118



2.3145, 1.1318, 2.8823

Previews

White Background



This preview shows how the XYZ color 33.8491, 24.7816, 90.9950 looks on a white background.

Color Contrast Check

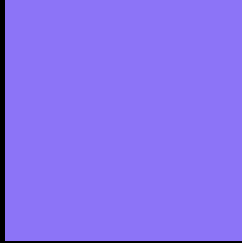
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 33.8491, 24.7816, 90.9950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

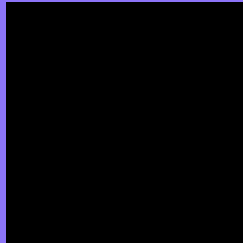
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8491, 24.7816, 90.9950

Background



This preview shows how black text looks on a background with the XYZ color 33.8491, 24.7816, 90.9950.



This preview shows how white text looks on a background with the XYZ color 33.8491, 24.7816,

90.9950.

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

33.8491, 24.7816, 90.9950

Protanopia

28.8271, 25.0246, 97.9186

Deuteranopia

25.9148, 24.9998, 87.4640



Tritanopia

22.1665, 24.7035, 32.8781

Trichromacy



Original Color

33.8491, 24.7816, 90.9950



Protanomaly

29.7509, 24.3829, 95.2338



Deuteranomaly

27.2134, 23.9928, 88.7847



Tritanomaly

25.4367, 24.1377, 49.7728

Monochromacy



Original Color

33.8491, 24.7816, 90.9950



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

26.6660, 24.6686, 45.4755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8491, 24.7816, 90.9950 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(140, 116, 247)` looks like.

```
.text, #text, p{  
    color:rgb(140, 116, 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(140, 116, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 116, 247) }
```

Border

The CSS property to change the border of an element to XYZ 33.8491, 24.7816, 90.9950 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(140, 116, 247) }
```


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

```
.border{ border-color:rgb(140, 116, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 116, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 116, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 116, 247);  
box-shadow:4px 4px 4px 4px rgb(140, 116,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8491, 24.7816, 90.9950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 116, 247) }
```

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

```
.background{ background-color: rgb(140,  
116, 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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