

Converting Colors

XYZ(33.2210, 24.1815, 78.4139)

Have a look what the booklet for
XYZ(33.2210, 24.1815, 78.4139)
contains.

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Color

**XYZ(33.2778, 24.2552,
78.5291)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9871E7 |
| RGB | 152, 113, 231 |
| RGB Percent | 60%, 44%, 91% |
| CMY | 0.4039, 0.5569, 0.0941 |
| CMYK | 0.34, 0.51, 0.00, 0.09 |
| HSL | 260°, 71%, 67% |
| HSV | 260°, 51%, 91% |
| XYZ | 33.2778, 24.2552, 78.5291 |
| YIQ | 138.1130, -14.6340, 44.9660 |

Conversions

Conversions Part 2

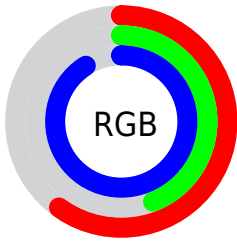
| Format | Color |
|-------------------------------------|--|
| RYB | 152, 113, 231 |
| Decimal | 9990631 |
| CIELab | 56.34, 40.58, -54.63 |
| CIELCh | 56, 68.055, 306.609 |
| Yxy | 24.2552, 0.2446, 0.1783 |
| Android (android.graphics.Color) | 4288180711 (0xFF9871E7) |
| YUV | 138.1130, 45.7933, 12.1789 |
| Hunter-Lab | 49.2496, 34.4252, -60.0640 |

Details

The XYZ color **33.2778, 24.2552, 78.5291** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **53.2951, 69.5510, 26.2393**, and the grayscale version is **24.0363, 25.2880, 27.5386**.

A 20% lighter version of the original color is **57.9807, 48.0477, 100.8260**, and **14.3951, 9.2487, 41.5839** is the 20% darker color. If you saturate the color by 10%, you get **28.3128, 18.3449, 77.6504**, and if you desaturate by 10%, it is **39.2780, 31.6734, 79.6452**.

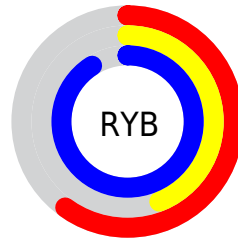
Distribution



Red (60%)

Green (44%)

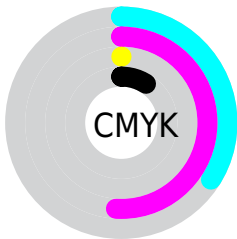
Blue (91%)



Red (60%)

Yellow (44%)

Blue (91%)

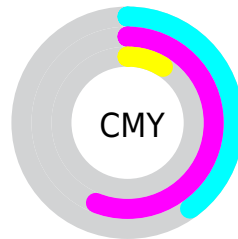


Cyan (34%)

Magenta (51%)

Yellow (0%)

Black (9%)



Cyan (40%)

Magenta (56%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2778, 24.2552, 78.5291 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 33.2778, 24.2552, 78.5291 by changing the saturation by 10% instead.

■ 33.2778, 24.2552,
78.5291

■ 33.2778, 24.2552,
78.5291

308.5426,
274.1082, 509.5373

■ 22.4996, 15.5230,
57.9897

■ 64.1608, 50.4463,
133.0884

■ 14.3431, 9.1873,
41.3857

■ 84.9963, 68.6741,
167.9453

■ 8.4430, 4.8635,
28.2986

■ 109.9149, 90.8358,
208.4118

■ 4.4339, 2.1674,
18.3099

■ 139.2820,
117.3160, 254.9065

■ 1.9504, 0.7021,
11.0010

173.4630,
148.4989, 307.8478

■ 0.6059, 0.0000,
5.9533

212.8232,

■ 0.0000, 0.0000,

184.7689, 367.6544

2.7484

257.7279,
226.5106, 434.7447

■ 0.0000, 0.0000,
0.9676

■ 0.0000, 0.0000,
0.0000

■ 33.2778, 24.2552,
78.5291

■ 33.2778, 24.2552,
78.5291

■ 28.3128, 18.3449,
77.6504

■ 39.2780, 31.6734,
79.6452

■ 24.3147, 13.8306,
76.9898

■ 46.3695, 40.6947,
81.0127

■ 21.2109, 10.5890,
76.5277

■ 54.6078, 51.4095,
82.6467

■ 18.9152, 8.4722,
76.2401

■ 64.0434, 63.9007,
84.5604

■ 17.4323, 7.3204,
76.0960

■ 74.7238, 78.2455,
86.7663

■ 86.6939, 94.5165,
89.2760

■ 91.4239, 98.5496,
89.8052

Harmonies

Analogous

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



24.8350, 24.2552, 96.8317



33.2778, 24.2552, 78.5291



39.8682, 24.2552, 47.5584

Triad

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



33.2778, 24.2552, 78.5291



29.5807, 24.2552, 3.2857



11.0755, 24.2552, 31.7039

Complementary

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



33.2778, 24.2552, 78.5291



53.2951, 69.5510, 26.2393

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.



11.7897, 24.2552, 12.6966



33.2778, 24.2552, 78.5291



21.3599, 24.2552, 2.5372

Square

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



33.2778, 24.2552, 78.5291



37.4174, 24.2552, 8.1085



15.1730, 24.2552, 4.6882



12.9359, 24.2552, 61.4876

Rectangle

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



33.2778, 24.2552, 78.5291



41.6432, 24.2552, 29.0505



15.1730, 24.2552, 4.6882



11.0302, 24.2552, 23.9342

Sweetspot

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



33.2788, 24.2561, 78.5297



75.2369, 73.4396, 104.8176



40.4448, 47.7015, 82.6774



15.5686, 15.0107, 22.3268



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.



33.2788, 24.2561, 78.5297



35.2916, 22.7953, 97.1476



46.7279, 31.1894, 79.1591



14.0293, 14.1173, 18.1298



9.8897, 4.1642, 42.6657



0.8261, 0.3569, 3.1573

Inverse Universe

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



48.3750, 32.6056, 53.6130



56.5943, 34.6091, 60.5651



41.4900, 63.4652, 25.6868



14.7819, 14.5300, 17.0521



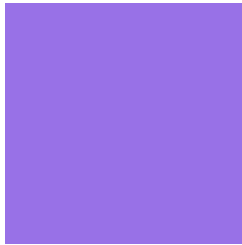
21.8351, 10.8682, 18.5583



1.6560, 0.8201, 1.5953

Previews

White Background



This preview shows how the XYZ color 33.2778, 24.2552, 78.5291 looks on a white background.

Color Contrast Check

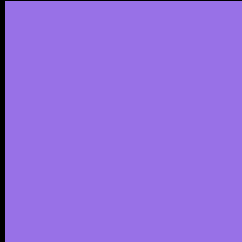
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2778, 24.2552, 78.5291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

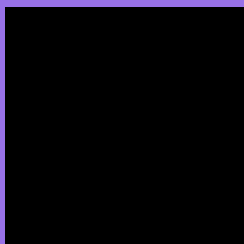
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2778, 24.2552, 78.5291

Background



This preview shows how black text looks on a background with the XYZ color 33.2778, 24.2552, 78.5291.



This preview shows how white text looks on a background with the XYZ color 33.2778, 24.2552,

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

33.2778, 24.2552, 78.5291

Protanopia

28.1168, 24.5680, 92.8827

Deuteranopia

25.2793, 24.5158, 75.3512



Tritanopia

23.4674, 24.1629, 30.2151

Trichromacy



Original Color

33.2778, 24.2552, 78.5291



Protanomaly

28.8282, 23.7097, 87.0614



Deuteranomaly

27.2023, 23.8646, 76.5714



Tritanomaly

26.2818, 23.7190, 44.2673

Monochromacy



Original Color

33.2778, 24.2552, 78.5291



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

26.6243, 24.5187, 42.3591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2778, 24.2552, 78.5291 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(152, 113, 231)` looks like.

```
.text, #text, p{  
    color:rgb(152, 113, 231)  
}
```

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(152, 113, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 113, 231) }
```

Border

The CSS property to change the border of an element to XYZ 33.2778, 24.2552, 78.5291 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(152, 113, 231) }
```


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

```
.border{ border-color:rgb(152, 113, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 113, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 113, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 113, 231);  
box-shadow:4px 4px 4px 4px rgb(152, 113,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2778, 24.2552, 78.5291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 113, 231) }
```

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

```
.background{ background-color: rgb(152,  
113, 231) }
```

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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