

Converting Colors

XYZ(33.1859, 26.8490, 76.9960)

Have a look what the booklet for
XYZ(33.1859, 26.8490, 76.9960)
contains.

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Color

**XYZ(33.2244, 26.9691,
76.8532)**

Conversions

Conversions Part 1

Format	Color
Hex	9080E4
RGB	144, 128, 228
RGB Percent	56%, 50%, 89%
CMY	0.4353, 0.4980, 0.1059
CMYK	0.37, 0.44, 0.00, 0.11
HSL	250°, 65%, 70%
HSV	250°, 44%, 89%
XYZ	33.2244, 26.9691, 76.8532
YIQ	144.1840, -22.5640, 34.4920

Conversions

Conversions Part 2

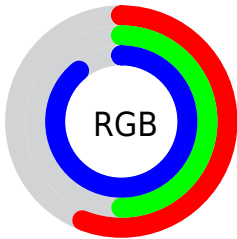
Format	Color
RYB	144, 128, 228
Decimal	9470180
CIELab	58.95, 29.17, -48.86
CIELCh	59, 56.904, 300.844
Yxy	26.9691, 0.2424, 0.1968
Android (android.graphics.Color)	4287660260 (0xFF9080E4)
YUV	144.1840, 41.3213, -0.1614
Hunter-Lab	51.9318, 23.3183, -51.3903

Details

The XYZ color **33.2244, 26.9691, 76.8532** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **58.7912, 71.0427, 31.0369**, and the grayscale version is **26.4295, 27.8059, 30.2806**.

A 20% lighter version of the original color is **58.6613, 52.6853, 101.6852**, and **14.3622, 10.6944, 40.3370** is the 20% darker color. If you saturate the color by 10%, you get **27.5118, 20.0948, 75.8279**, and if you desaturate by 10%, it is **40.1747, 35.4741, 78.1290**.

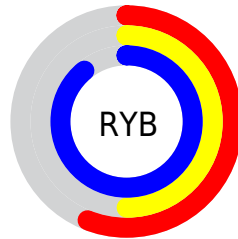
Distribution



Red (56%)

Green (50%)

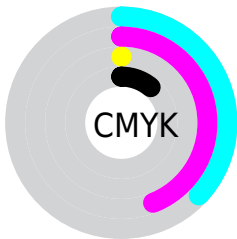
Blue (89%)



Red (56%)

Yellow (50%)

Blue (89%)

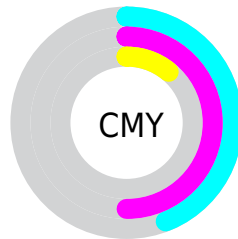


Cyan (37%)

Magenta (44%)

Yellow (0%)

Black (11%)



Cyan (44%)

Magenta (50%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2244, 26.9691, 76.8532 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 33.2244, 26.9691, 76.8532 by changing the saturation by 10% instead.

■ 33.2244, 26.9691,
76.8532

■ 33.2244, 26.9691,
76.8532

308.3068,
287.5075, 503.6877

■ 22.4585, 17.5500,
56.6216

■ 64.0781, 54.8343,
130.7034

■ 14.3126, 10.6274,
40.2941

■ 84.8965, 74.0492,
165.1589

■ 8.4216, 5.8169,
27.4524

■ 109.7964, 97.2981,
205.1929

■ 4.4199, 2.7341,
17.6779

139.1433,
124.9655, 251.2239

■ 1.9423, 0.9945,
10.5519

173.3024,
157.4357, 303.6703

■ 0.6013, 0.0000,
5.6560

212.6391,

■ 0.0000, 0.0000,

195.0932, 362.9507

2.5717

257.5188,
238.3223, 429.4837

■ 0.0000, 0.0000,
0.8778

■ 0.0000, 0.0000,
0.0000

■ 33.2244, 26.9691,
76.8532

■ 33.2244, 26.9691,
76.8532

■ 27.5118, 20.0948,
75.8279

■ 40.1747, 35.4741,
78.1290

■ 22.9597, 14.7428,
75.0348

■ 48.4271, 45.7028,
79.6684

■ 19.4873, 10.7963,
74.4561

■ 58.0455, 57.7444,
81.4857

■ 17.0012, 8.1197,
74.0705

■ 69.0884, 71.6814,
83.5938

■ 15.3913, 6.5500,
73.8523

■ 81.6111, 87.5910,
86.0047

■ 14.7483, 5.9853,
73.7772

■ 91.0037, 98.3815,
87.5924

Harmonies

Analogous

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



25.8333, 26.9691, 87.7426



33.2244, 26.9691, 76.8532



39.3760, 26.9691, 52.6103

Triad

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



33.2244, 26.9691, 76.8532



32.8154, 26.9691, 6.8446



14.3344, 26.9691, 29.9397

Complementary

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



33.2244, 26.9691, 76.8532



58.7912, 71.0427, 31.0369

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.



15.5302, 26.9691, 14.2294



33.2244, 26.9691, 76.8532



25.4344, 26.9691, 5.1479

Square

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



33.2244, 26.9691, 76.8532



39.1110, 26.9691, 13.6276



19.2967, 26.9691, 7.0632



15.6734, 26.9691, 54.0834

Rectangle

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



33.2244, 26.9691, 76.8532



41.4672, 26.9691, 35.9808



19.2967, 26.9691, 7.0632



14.4509, 26.9691, 23.6140

Sweetspot

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



33.2255, 26.9701, 76.8538



75.8588, 75.7389, 105.2286



46.7006, 57.7798, 82.0905



15.6074, 15.4201, 22.4037



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.



33.2255, 26.9701, 76.8538



35.8141, 26.3215, 97.8007



43.7158, 32.3781, 77.3448



13.7966, 13.9973, 18.1189



8.5806, 3.4894, 42.6044



0.6997, 0.2917, 3.1514

Inverse Universe

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



51.5982, 36.6865, 66.6485



62.6999, 40.5615, 81.8954



46.7446, 64.8325, 30.4731



14.8908, 14.5735, 17.6255



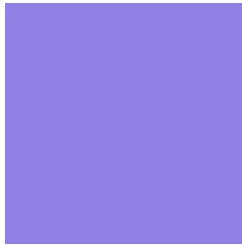
23.9750, 11.7242, 29.8269



1.7983, 0.8770, 2.3446

Previews

White Background



This preview shows how the XYZ color 33.2244, 26.9691, 76.8532 looks on a white background.

Color Contrast Check

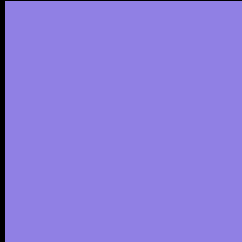
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2244, 26.9691, 76.8532 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 33.2244, 26.9691, 76.8532

Background



This preview shows how black text looks on a background with the XYZ color 33.2244, 26.9691, 76.8532.



This preview shows how white text looks on a background with the XYZ color 33.2244, 26.9691,

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

33.2244, 26.9691, 76.8532

Protanopia

29.7766, 27.0593, 84.5425

Deuteranopia

27.9829, 27.2151, 75.0124



Tritanopia

24.8761, 26.9360, 35.3405

Trichromacy



Original Color

33.2244, 26.9691, 76.8532

Protanomaly

30.5788, 26.7037, 81.3846

Deuteranomaly

29.4832, 26.8930, 75.5884

Tritanomaly

27.3635, 26.6227, 47.9525

Monochromacy



Original Color

33.2244, 26.9691, 76.8532

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.3279, 27.2014, 44.3148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2244, 26.9691, 76.8532 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(144, 128, 228)` looks like.

```
.text, #text, p{  
    color:rgb(144, 128, 228)  
}
```

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(144, 128, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 128, 228) }
```

Border

The CSS property to change the border of an element to XYZ 33.2244, 26.9691, 76.8532 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(144, 128, 228) }
```


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

```
.border{ border-color:rgb(144, 128, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 128, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 128, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 128, 228);  
box-shadow:4px 4px 4px 4px rgb(144, 128,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2244, 26.9691, 76.8532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 128, 228) }
```

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

```
.background{ background-color: rgb(144,  
128, 228) }
```

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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