

Converting Colors

XYZ(32.9650, 27.5486, 77.6599)

Have a look what the booklet for
XYZ(32.9650, 27.5486, 77.6599)
contains.

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Color

**XYZ(33.0416, 27.6486,
77.7240)**

Conversions

Conversions Part 1

Format	Color
Hex	8B84E5
RGB	139, 132, 229
RGB Percent	55%, 52%, 90%
CMY	0.4549, 0.4823, 0.1020
CMYK	0.39, 0.42, 0.00, 0.10
HSL	244°, 65%, 71%
HSV	244°, 42%, 90%
XYZ	33.0416, 27.6486, 77.7240
YIQ	145.1510, -26.9650, 31.6510

Conversions

Conversions Part 2

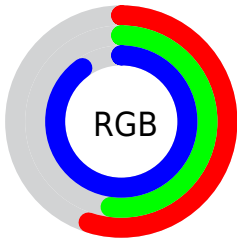
Format	Color
RYB	139, 132, 229
Decimal	9143525
CIELab	59.57, 25.84, -48.45
CIElCh	60, 54.908, 298.070
Yxy	27.6486, 0.2387, 0.1998
Android (android.graphics.Color)	4287333605 (0xFF8B84E5)
YUV	145.1510, 41.3376, -5.3944
Hunter-Lab	52.5819, 20.1480, -50.8322

Details

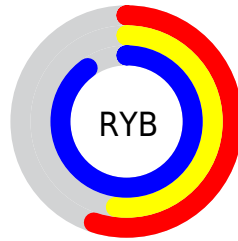
The XYZ color **33.0416, 27.6486, 77.7240** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **62.3083, 73.2344, 32.6822**, and the grayscale version is **26.8210, 28.2178, 30.7292**.

A 20% lighter version of the original color is **58.1639, 53.6537, 101.8984**, and **14.2922, 11.0885, 40.9222** is the 20% darker color. If you saturate the color by 10%, you get **27.0608, 20.4508, 76.6504**, and if you desaturate by 10%, it is **40.3955, 36.5668, 79.0583**.

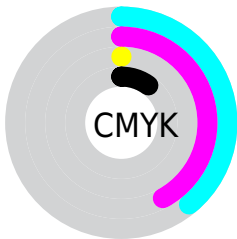
Distribution



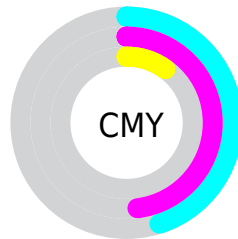
- Red (55%)
- Green (52%)
- Blue (90%)



- Red (55%)
- Yellow (52%)
- Blue (90%)



- Cyan (39%)
- Magenta (42%)
- Yellow (0%)
- Black (10%)



- Cyan (45%)
- Magenta (48%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0416, 27.6486, 77.7240 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 33.0416, 27.6486, 77.7240 by changing the saturation by 10% instead.

■ 33.0416, 27.6486,
77.7240

■ 33.0416, 27.6486,
77.7240

307.4988,
290.7840, 506.7321

■ 22.3177, 18.0609,
57.3322

■ 63.7947, 55.9229,
131.9433

■ 14.2084, 10.9937,
40.8609

■ 84.5546, 75.3784,
166.6079

■ 8.3485, 6.0626,
27.8915

■ 109.3906, 98.8919,
206.8671

■ 4.3724, 2.8832,
18.0056

138.6680,
126.8478, 253.1395

■ 1.9149, 1.0711,
10.7845

172.7522,
159.6306, 305.8437

■ 0.5855, 0.0000,
5.8098

212.0085,

■ 0.0000, 0.0000,

197.6246, 365.3981

2.6628

256.8022,
241.2143, 432.2214

■ 0.0000, 0.0000,
0.9246

■ 0.0000, 0.0000,
0.0000

■ 33.0416, 27.6486,
77.7240

■ 33.0416, 27.6486,
77.7240

■ 27.0608, 20.4508,
76.6504

■ 40.3955, 36.5668,
79.0583

■ 22.3646, 14.8596,
75.8187

■ 49.1971, 47.3034,
80.6668

■ 18.8595, 10.7522,
75.2107

■ 59.5195, 59.9525,
82.5643

■ 16.4376, 7.9867,
74.8045

■ 71.4299, 74.6010,
84.7640

■ 14.9711, 6.3934,
74.5743

■ 84.9914, 91.3303,
87.2783

■ 14.3658, 5.7721,
74.4863

■ 91.1430, 98.4372,
88.3258

Harmonies

Analogous

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



25.8341, 27.6486, 86.4137



33.0416, 27.6486, 77.7240



39.2484, 27.6486, 55.0541

Triad

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



33.0416, 27.6486, 77.7240



33.9531, 27.6486, 7.9787



15.1092, 27.6486, 28.8407

Complementary

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



33.0416, 27.6486, 77.7240



62.3083, 73.2344, 32.6822

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.



16.5371, 27.6486, 14.1283



33.0416, 27.6486, 77.7240



26.7294, 27.6486, 5.8379

Square

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



33.0416, 27.6486, 77.7240



39.8362, 27.6486, 15.5122



20.5087, 27.6486, 7.4614



16.2105, 27.6486, 51.7997

Rectangle

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



33.0416, 27.6486, 77.7240



41.5440, 27.6486, 38.6778



20.5087, 27.6486, 7.4614



15.3033, 27.6486, 22.9023

Sweetspot

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



33.0427, 27.6496, 77.7247



74.9473, 75.2691, 105.1860



49.9224, 63.0897, 83.6756



15.3858, 15.3058, 22.3933



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.



33.0427, 27.6496, 77.7247



35.2628, 26.9707, 97.9551



42.8802, 32.7210, 78.1851



13.6787, 13.9366, 18.1134



8.2505, 3.3192, 42.5890



0.6436, 0.2628, 3.1488

Inverse Universe

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



53.7495, 38.4351, 73.6921



65.1423, 42.5446, 91.6553



49.6478, 66.7077, 32.0897



14.9478, 14.5963, 17.9257



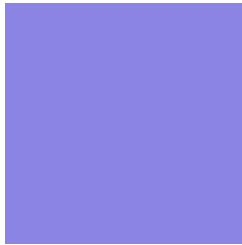
25.3226, 12.2633, 36.9236



1.8848, 0.9116, 2.7997

Previews

White Background



This preview shows how the XYZ color 33.0416, 27.6486, 77.7240 looks on a white background.

Color Contrast Check

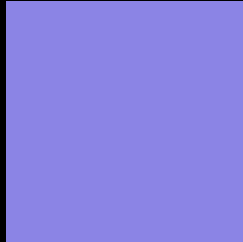
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0416, 27.6486, 77.7240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

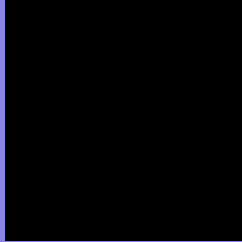
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0416, 27.6486, 77.7240

Background



This preview shows how black text looks on a background with the XYZ color 33.0416, 27.6486, 77.7240.



This preview shows how white text looks on a background with the XYZ color 33.0416, 27.6486,

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

33.0416, 27.6486, 77.7240

Protanopia

30.2273, 27.7554, 83.1210

Deuteranopia

28.4797, 27.6773, 75.7927



Tritanopia

24.7178, 27.5082, 36.8077

Trichromacy



Original Color

33.0416, 27.6486, 77.7240

Protanomaly

30.9898, 27.5564, 80.7764

Deuteranomaly

29.7798, 27.4560, 76.4030

Tritanomaly

27.2268, 27.3959, 49.2003

Monochromacy



Original Color

33.0416, 27.6486, 77.7240

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.5422, 27.7304, 44.9225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0416, 27.6486, 77.7240 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(139, 132, 229)` looks like.

```
.text, #text, p{  
    color:rgb(139, 132, 229)  
}
```

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(139, 132, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 132, 229) }
```

Border

The CSS property to change the border of an element to XYZ 33.0416, 27.6486, 77.7240 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(139, 132, 229) }
```


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

```
.border{ border-color:rgb(139, 132, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 132, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 132, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 132, 229);  
box-shadow:4px 4px 4px 4px rgb(139, 132,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0416, 27.6486, 77.7240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 132, 229) }
```

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

```
.background{ background-color: rgb(139,  
132, 229) }
```

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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