

Converting Colors

XYZ(33.3744, 28.7133, 76.4297)

Have a look what the booklet for
XYZ(33.3744, 28.7133, 76.4297)
contains.

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Color

**XYZ(33.3167, 28.6433,
76.4458)**

Conversions

Conversions Part 1

Format	Color
Hex	8B88E3
RGB	139, 136, 227
RGB Percent	55%, 53%, 89%
CMY	0.4549, 0.4667, 0.1098
CMYK	0.39, 0.40, 0.00, 0.11
HSL	242°, 62%, 71%
HSV	242°, 40%, 89%
XYZ	33.3167, 28.6433, 76.4458
YIQ	147.2710, -27.4230, 28.9370

Conversions

Conversions Part 2

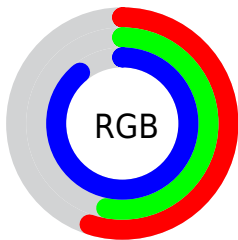
Format	Color
RYB	139, 136, 227
Decimal	9144547
CIELab	60.47, 22.95, -45.92
CIELCh	60, 51.336, 296.554
Yxy	28.6433, 0.2407, 0.2070
Android (android.graphics.Color)	4287334627 (0xFF8B88E3)
YUV	147.2710, 39.3064, -7.2537
Hunter-Lab	53.5194, 17.4601, -47.2247

Details

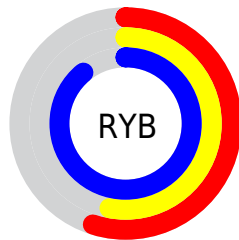
The XYZ color **33.3167, 28.6433, 76.4458** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **62.6537, 72.5635, 33.9974**, and the grayscale version is **27.6967, 29.1390, 31.7324**.

A 20% lighter version of the original color is **58.7533, 55.2173, 102.1691**, and **14.3346, 11.4807, 39.9886** is the 20% darker color. If you saturate the color by 10%, you get **27.1473, 21.2094, 75.3366**, and if you desaturate by 10%, it is **40.9011, 37.8125, 77.8164**.

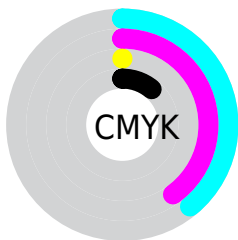
Distribution



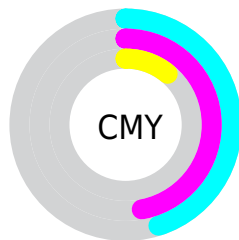
- Red (55%)
- Green (53%)
- Blue (89%)



- Red (55%)
- Yellow (53%)
- Blue (89%)



- Cyan (39%)
- Magenta (40%)
- Yellow (0%)
- Black (11%)



- Cyan (45%)
- Magenta (47%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3167, 28.6433, 76.4458 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 33.3167, 28.6433, 76.4458 by changing the saturation by 10% instead.

■ 33.3167, 28.6433,
76.4458

■ 33.3167, 28.6433,
76.4458

308.7142,
295.5282, 502.2598

■ 22.5296, 18.8111,
56.2893

■ 64.2210, 57.5099,
130.1227

■ 14.3653, 11.5339,
40.0294

■ 85.0689, 77.3131,
164.4802

■ 8.4586, 6.4272,
27.2475

■ 110.0012,
101.2088, 204.4085

■ 4.4440, 3.1065,
17.5251

139.3830,
129.5813, 250.3260

■ 1.9563, 1.1876,
10.4437

173.5799,
162.8152, 302.6514

■ 0.6092, 0.0515,
5.5847

212.9572,

■ 0.0000, 0.0000,

201.2947, 361.8031

2.5296

257.8801,
245.4042, 428.1997

■ 0.0000, 0.0000,
0.8558

■ 0.0000, 0.0000,
0.0000

■ 33.3167, 28.6433,
76.4458

■ 33.3167, 28.6433,
76.4458

■ 27.1473, 21.2094,
75.3366

■ 40.9011, 37.8125,
77.8164

■ 22.3022, 15.3987,
74.4704

■ 49.9773, 48.8136,
79.4615

■ 18.6854, 11.0908,
73.8295

■ 60.6201, 61.7395,
81.3955

■ 16.1866, 8.1473,
73.3931

■ 72.8988, 76.6762,
83.6314

■ 14.6755, 6.4041,
73.1362

■ 86.8782, 93.7044,
86.1814

■ 13.9590, 5.5944,
73.0177

■ 90.8652, 98.3261,
86.8633

Harmonies

Analogous

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



26.4672, 28.6433, 83.5205



33.3167, 28.6433, 76.4458



39.2785, 28.6433, 55.8847

Triad

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



33.3167, 28.6433, 76.4458



34.8549, 28.6433, 9.5956



16.3984, 28.6433, 29.0489

Complementary

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



33.3167, 28.6433, 76.4458



62.6537, 72.5635, 33.9974

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.



17.9297, 28.6433, 15.1092



33.3167, 28.6433, 76.4458



27.9963, 28.6433, 7.1249

Square

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



33.3167, 28.6433, 76.4458



40.2628, 28.6433, 17.5714



21.9245, 28.6433, 8.6318



17.3572, 28.6433, 50.4743

Rectangle

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



33.3167, 28.6433, 76.4458



41.5659, 28.6433, 40.4492



21.9245, 28.6433, 8.6318



16.6318, 28.6433, 23.4602

Sweetspot

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



33.3178, 28.6443, 76.4465



75.9924, 76.8200, 105.4303



51.0752, 64.8931, 82.5073



15.8618, 15.9522, 22.4930



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.



33.3178, 28.6443, 76.4465



36.6400, 29.1735, 98.3076



42.2025, 33.2246, 76.8623



13.6266, 13.9097, 18.1110



8.1599, 3.2725, 42.5847



0.6186, 0.2499, 3.1476

Inverse Universe

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



53.9378, 39.3218, 75.2677



66.9796, 44.8884, 96.3704



50.7323, 66.4177, 33.4395



14.9735, 14.6066, 18.0609



25.9804, 12.5264, 40.3875



1.9264, 0.9283, 3.0187

Previews

White Background



This preview shows how the XYZ color 33.3167, 28.6433, 76.4458 looks on a white background.

Color Contrast Check

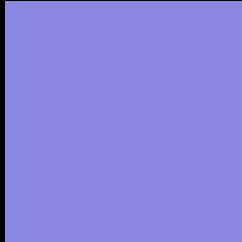
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3167, 28.6433, 76.4458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

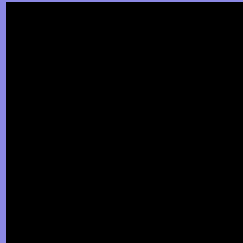
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3167, 28.6433, 76.4458

Background



This preview shows how black text looks on a background with the XYZ color 33.3167, 28.6433, 76.4458.



This preview shows how white text looks on a background with the XYZ color 33.3167, 28.6433,

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

33.3167, 28.6433, 76.4458

Protanopia

31.0860, 28.9076, 81.0321

Deuteranopia

29.5417, 28.6903, 75.2149



Tritanopia

25.7401, 28.7064, 38.3667

Trichromacy



Original Color

33.3167, 28.6433, 76.4458

Protanomaly

31.6870, 28.5906, 79.4498

Deuteranomaly

30.7366, 28.6189, 75.8555

Tritanomaly

28.0416, 28.4631, 50.4704

Monochromacy



Original Color

33.3167, 28.6433, 76.4458

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.1605, 28.7088, 45.0787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3167, 28.6433, 76.4458 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, 136, 227)` looks like.

```
.text, #text, p{  
    color:rgb(139, 136, 227)  
}
```

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, 136, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 136, 227) }
```

Border

The CSS property to change the border of an element to XYZ 33.3167, 28.6433, 76.4458 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, 136, 227) }
```


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

```
.border{ border-color:rgb(139, 136, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 136, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 136, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 136, 227);  
box-shadow:4px 4px 4px 4px rgb(139, 136,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3167, 28.6433, 76.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 136, 227) }
```

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

```
.background{ background-color: rgb(139,  
136, 227) }
```

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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