

Converting Colors

XYZ(32.2910, 28.1514, 80.1355)

Have a look what the booklet for
XYZ(32.2910, 28.1514, 80.1355)
contains.

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Color

**XYZ(32.4132, 28.3067,
80.0993)**

Conversions

Conversions Part 1

Format	Color
Hex	8089E8
RGB	128, 137, 232
RGB Percent	50%, 54%, 91%
CMY	0.4980, 0.4627, 0.0902
CMYK	0.45, 0.41, 0.00, 0.09
HSL	235°, 69%, 71%
HSV	235°, 45%, 91%
XYZ	32.4132, 28.3067, 80.0993
YIQ	145.1390, -35.8590, 27.6370

Conversions

Conversions Part 2

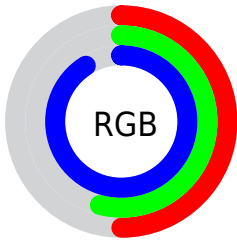
Format	Color
R _Y B	128, 136, 232
Decimal	8423912
CIE Lab	60.16, 21.03, -49.23
CIE LCh	60, 53.530, 293.132
Yxy	28.3067, 0.2302, 0.2010
Android (android.graphics.Color)	4286613992 (0xFF8089E8)
YUV	145.1390, 42.8225, -15.0309
Hunter-Lab	53.2040, 15.6395, -52.0190

Details

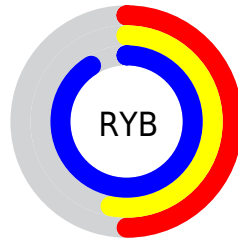
The XYZ color **32.4132, 28.3067, 80.0993** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **63.5640, 71.4915, 30.8726**, and the grayscale version is **26.8129, 28.2093, 30.7199**.

A 20% lighter version of the original color is **56.4710, 54.3612, 102.1242**, and **13.8432, 11.2906, 42.5240** is the 20% darker color. If you saturate the color by 10%, you get **26.5918, 21.2645, 79.0474**, and if you desaturate by 10%, it is **39.6262, 36.9454, 81.3871**.

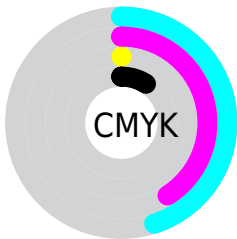
Distribution



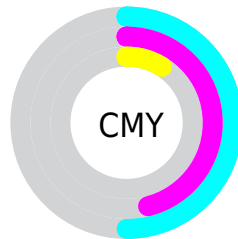
- Red (50%)
- Green (54%)
- Blue (91%)



- Red (50%)
- Yellow (53%)
- Blue (91%)



- Cyan (45%)
- Magenta (41%)
- Yellow (0%)
- Black (9%)



- Cyan (50%)
- Magenta (46%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4132, 28.3067, 80.0993 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 32.4132, 28.3067, 80.0993 by changing the saturation by 10% instead.

■ 32.4132, 28.3067,
80.0993

■ 32.4132, 28.3067,
80.0993

304.7092,
293.9296, 514.9830

■ 21.8344, 18.5570,
59.2734

■ 62.8191, 56.9737,
135.3180

■ 13.8512, 11.3506,
42.4118

■ 83.3769, 76.6598,
170.5479

■ 8.0982, 6.3032,
29.0959

■ 107.9918,
100.4269, 211.4162

■ 4.2102, 3.0303,
18.9072

137.0291,
128.6592, 258.3415

■ 1.8217, 1.1476,
11.4271

170.8541,
161.7412, 311.7423

■ 0.5307, 0.0182,
6.2371

209.8322,

■ 0.0000, 0.0000,

200.0574, 372.0371

2.9187

254.3288,
243.9920, 439.6445

■ 0.0000, 0.0000,
1.0533

■ 0.0000, 0.0000,
0.0000

■ 32.4132, 28.3067,
80.0993

■ 32.4132, 28.3067,
80.0993

■ 26.5918, 21.2645,
79.0474

■ 39.6262, 36.9454,
81.3871

■ 22.0687, 15.7179,
78.2152

■ 48.3093, 47.2673,
82.9218

■ 18.7446, 11.5589,
77.5876

■ 58.5392, 59.3563,
84.7161

■ 16.5040, 8.6638,
77.1469

■ 70.3861, 73.2900,
86.7811

■ 15.2083, 6.8864,
76.8721

■ 83.9159, 89.1411,
89.1276

■ 14.8170, 6.3291,
76.7852

■ 91.5656, 98.6062,
90.5514

Harmonies

Analogous

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



25.3614, 28.3067, 85.4303



32.4132, 28.3067, 80.0993



38.8668, 28.3067, 59.4167

Triad

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



32.4132, 28.3067, 80.0993



35.5984, 28.3067, 9.4319



15.8394, 28.3067, 26.5301

Complementary

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



32.4132, 28.3067, 80.0993



63.5640, 71.4915, 30.8726

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.



17.6895, 28.3067, 13.2871



32.4132, 28.3067, 80.0993



28.5093, 28.3067, 6.5017

Square

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



32.4132, 28.3067, 80.0993



40.9128, 28.3067, 18.2586



22.0585, 28.3067, 7.5296



16.5260, 28.3067, 48.1263

Rectangle

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



32.4132, 28.3067, 80.0993



41.5668, 28.3067, 43.1026



22.0585, 28.3067, 7.5296



16.1731, 28.3067, 21.1270

Sweetspot

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



32.4143, 28.3077, 80.1000



74.9773, 76.4241, 105.4073



50.8910, 67.5557, 79.1846



15.3931, 15.5859, 22.4470



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.



32.4143, 28.3077, 80.1000



33.3049, 26.7796, 98.0214



38.7772, 29.7676, 80.0464



13.6826, 14.0865, 18.1422



8.2634, 3.5888, 42.6404



0.6454, 0.3348, 3.1626

Inverse Universe

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



45.5142, 34.4016, 27.9090



51.6130, 35.6433, 25.0030



54.0892, 70.2713, 31.1365



14.4274, 14.3881, 15.1849



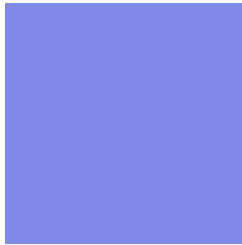
18.5645, 9.5600, 1.3355



1.3894, 0.7135, 0.1912

Previews

White Background



This preview shows how the XYZ color 32.4132, 28.3067, 80.0993 looks on a white background.

Color Contrast Check

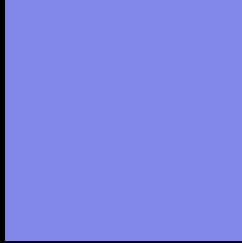
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.4132, 28.3067, 80.0993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

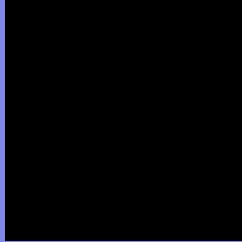
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.4132, 28.3067, 80.0993

Background



This preview shows how black text looks on a background with the XYZ color 32.4132, 28.3067, 80.0993.



This preview shows how white text looks on a background with the XYZ color 32.4132, 28.3067,

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

32.4132, 28.3067, 80.0993

Protanopia

30.8767, 28.5279, 83.2359

Deuteranopia

29.2322, 28.4508, 78.8138



Tritanopia

24.2358, 28.3880, 39.3240

Trichromacy



Original Color

32.4132, 28.3067, 80.0993

Protanomaly

31.4437, 28.3992, 82.4216

Deuteranomaly

30.2811, 28.3037, 79.4685

Tritanomaly

26.8215, 28.2546, 52.1841

Monochromacy



Original Color

32.4132, 28.3067, 80.0993

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.2563, 28.0093, 45.5120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4132, 28.3067, 80.0993 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(128, 137, 232)` looks like.

```
.text, #text, p{  
    color:rgb(128, 137, 232)  
}
```

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(128, 137, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 137, 232) }
```

Border

The CSS property to change the border of an element to XYZ 32.4132, 28.3067, 80.0993 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(128, 137, 232) }
```


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

```
.border{ border-color:rgb(128, 137, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 137, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 137, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 137, 232);  
box-shadow:4px 4px 4px 4px rgb(128, 137,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4132, 28.3067, 80.0993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 137, 232) }
```

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

```
.background{ background-color: rgb(128,  
137, 232) }
```

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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