

Converting Colors

XYZ(35.4169, 32.3331, 80.8133)

Have a look what the booklet for
XYZ(35.4169, 32.3331, 80.8133)
contains.

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Color

**XYZ(35.3087, 32.2402,
80.7059)**

Conversions

Conversions Part 1

Format	Color
Hex	8894E8
RGB	136, 148, 232
RGB Percent	53%, 58%, 91%
CMY	0.4667, 0.4196, 0.0902
CMYK	0.41, 0.36, 0.00, 0.09
HSL	233°, 68%, 72%
HSV	233°, 41%, 91%
XYZ	35.3087, 32.2402, 80.7059
YIQ	153.9880, -34.1160, 23.5800

Conversions

Conversions Part 2

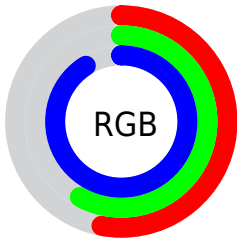
Format	Color
RYB	136, 147, 232
Decimal	8951016
CIELab	63.54, 16.58, -43.86
CIElCh	64, 46.891, 290.712
Yxy	32.2402, 0.2382, 0.2175
Android (android.graphics.Color)	4287141096 (0xFF8894E8)
YUV	153.9880, 38.4599, -15.7755
Hunter-Lab	56.7805, 11.6337, -44.5266

Details

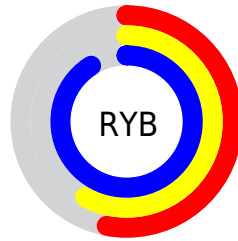
The XYZ color **35.3087, 32.2402, 80.7059** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **63.3171, 70.1214, 33.4917**, and the grayscale version is **30.5583, 32.1497, 35.0110**.

A 20% lighter version of the original color is **61.1628, 60.7985, 103.1194**, and **15.5975, 13.6193, 42.8810** is the 20% darker color. If you saturate the color by 10%, you get **29.0308, 24.6847, 79.5790**, and if you desaturate by 10%, it is **42.9628, 41.3353, 82.0586**.

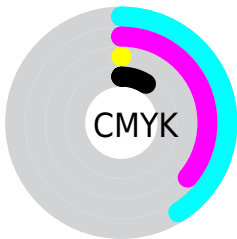
Distribution



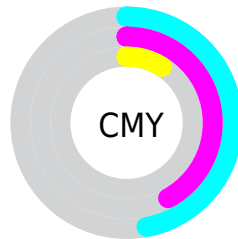
- Red (53%)
- Green (58%)
- Blue (91%)



- Red (53%)
- Yellow (58%)
- Blue (91%)



- Cyan (41%)
- Magenta (36%)
- Yellow (0%)
- Black (9%)



- Cyan (47%)
- Magenta (42%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3087, 32.2402, 80.7059 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 35.3087, 32.2402, 80.7059 by changing the saturation by 10% instead.

■ 35.3087, 32.2402,
80.7059

■ 35.3087, 32.2402,
80.7059

317.4130,
312.2120, 517.0780

■ 24.0684, 21.5450,
59.7698

■ 67.2946, 63.1875,
136.1781

■ 15.5094, 13.5230,
42.8091

■ 88.7709, 84.2083,
171.5513

■ 9.2663, 7.7897,
29.4050

■ 114.3899,
109.4399, 212.5739

■ 4.9738, 3.9606,
19.1392

144.5170,
139.2666, 259.6646

■ 2.2665, 1.6516,
11.5931

179.5175,
174.0727, 313.2418

■ 0.7774, 0.3920,
6.3481

219.7567,

■ 0.0000, 0.0000,

214.2427, 373.7240

2.9857

265.6001,
260.1610, 441.5299

■ 0.0000, 0.0000,
1.0873

■ 0.0000, 0.0000,
0.0000

■ 35.3087, 32.2402,
80.7059

■ 35.3087, 32.2402,
80.7059

■ 29.0308, 24.6847,
79.5790

■ 42.9628, 41.3353,
82.0586

■ 24.0433, 18.5794,
78.6635

■ 52.0650, 52.0453,
83.6461

■ 20.2561, 13.8314,
77.9466

■ 62.6863, 64.4451,
85.4797

■ 17.5658, 10.3349,
77.4135

■ 74.8921, 78.6037,
87.5693

■ 15.8508, 7.9683,
77.0471

■ 88.7439, 94.5861,
89.9241

■ 15.0049, 6.7048,
76.8478

■ 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.



28.6586, 32.2402, 83.9809



35.3087, 32.2402, 80.7059



41.4411, 32.2402, 63.1984

Triad

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



35.3087, 32.2402, 80.7059



39.3143, 32.2402, 13.9592



19.8345, 32.2402, 29.6073

Complementary

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



35.3087, 32.2402, 80.7059



63.3171, 70.1214, 33.4917

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.



21.9058, 32.2402, 16.8833



35.3087, 32.2402, 80.7059



32.7177, 32.2402, 10.2102

Square

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



35.3087, 32.2402, 80.7059



43.9726, 32.2402, 23.8468



26.4082, 32.2402, 11.0465



20.3232, 32.2402, 49.4415

Rectangle

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



35.3087, 32.2402, 80.7059



44.1087, 32.2402, 48.3922



26.4082, 32.2402, 11.0465



20.2420, 32.2402, 24.5027

Sweetspot

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



35.3099, 32.2414, 80.7067



76.7198, 78.7417, 105.7628



51.8235, 68.0733, 77.5649



16.0314, 16.4001, 22.5705



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.



35.3099, 32.2414, 80.7067



36.7650, 31.5465, 98.7591



40.2092, 32.1165, 80.4243



13.7273, 14.1759, 18.1571



8.3791, 3.8202, 42.6789



0.6667, 0.3774, 3.1697

Inverse Universe

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



47.4292, 36.9036, 32.6413



53.8851, 38.5646, 30.7636



56.2752, 71.3350, 34.0971



14.4499, 14.3972, 15.3037



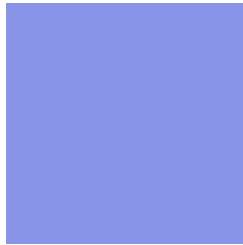
18.6229, 9.5834, 1.6431



1.4002, 0.7178, 0.2478

Previews

White Background



This preview shows how the XYZ color 35.3087, 32.2402, 80.7059 looks on a white background.

Color Contrast Check

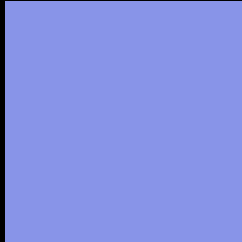
Large Text (above 18pt) WCAG AA × Fail

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 35.3087, 32.2402, 80.7059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

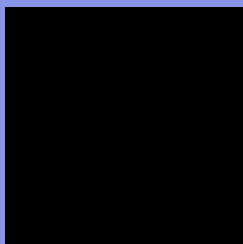
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.3087, 32.2402, 80.7059

Background



This preview shows how black text looks on a background with the XYZ color 35.3087, 32.2402, 80.7059.



This preview shows how white text looks on a background with the XYZ color 35.3087, 32.2402,

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

35.3087, 32.2402, 80.7059

Protanopia

34.2301, 32.3588, 82.2837

Deuteranopia

33.2863, 32.4035, 80.1014



Tritanopia

27.9988, 32.2237, 44.2793

Trichromacy



Original Color

35.3087, 32.2402, 80.7059

Protanomaly

34.5164, 32.2851, 81.5032

Deuteranomaly

33.9479, 32.2627, 80.0394

Tritanomaly

30.2303, 32.1076, 55.6430

Monochromacy



Original Color

35.3087, 32.2402, 80.7059

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.7044, 32.0369, 48.7687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3087, 32.2402, 80.7059 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(136, 148, 232)` looks like.

```
.text, #text, p{  
    color:rgb(136, 148, 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(136, 148, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 148, 232) }
```

Border

The CSS property to change the border of an element to XYZ 35.3087, 32.2402, 80.7059 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(136, 148, 232) }
```


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

```
.border{ border-color:rgb(136, 148, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 148, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 148, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 148, 232);  
box-shadow:4px 4px 4px 4px rgb(136, 148,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3087, 32.2402, 80.7059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 148, 232) }
```

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

```
.background{ background-color: rgb(136,  
148, 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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