

Converting Colors

XYZ(38.1007, 32.9722, 87.2986)

Have a look what the booklet for
XYZ(38.1007, 32.9722, 87.2986)
contains.

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Color

**XYZ(38.1887, 33.1117,
87.5975)**

Conversions

Conversions Part 1

Format	Color
Hex	9392F1
RGB	147, 146, 241
RGB Percent	58%, 57%, 95%
CMY	0.4235, 0.4274, 0.0549
CMYK	0.39, 0.39, 0.00, 0.05
HSL	241°, 77%, 76%
HSV	241°, 39%, 95%
XYZ	38.1887, 33.1117, 87.5975
YIQ	157.1290, -29.8990, 29.7570

Conversions

Conversions Part 2

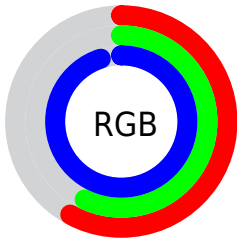
Format	Color
RYB	147, 146, 241
Decimal	9671409
CIELab	64.25, 23.04, -47.65
CIELCh	64, 52.926, 295.807
Yxy	33.1117, 0.2403, 0.2084
Android (android.graphics.Color)	4287861489 (0xFF9392F1)
YUV	157.1290, 41.3484, -8.8831
Hunter-Lab	57.5428, 17.7631, -49.9774

Details

The XYZ color **38.1887, 33.1117, 87.5975** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **72.5789, 83.5116, 39.4892**, and the grayscale version is **31.9364, 33.5995, 36.5899**.

A 20% lighter version of the original color is **63.6061, 61.3659, 103.1001**, and **17.1490, 14.0506, 47.1556** is the 20% darker color. If you saturate the color by 10%, you get **31.0159, 24.4687, 86.3079**, and if you desaturate by 10%, it is **47.0332, 43.7800, 89.1912**.

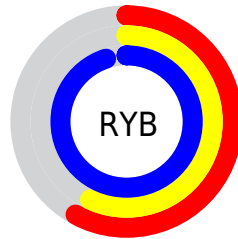
Distribution



Red (58%)

Green (57%)

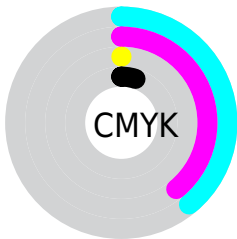
Blue (95%)



Red (58%)

Yellow (57%)

Blue (95%)

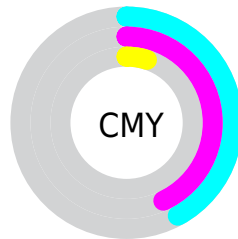


Cyan (39%)

Magenta (39%)

Yellow (0%)

Black (5%)



Cyan (42%)

Magenta (43%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1887, 33.1117, 87.5975 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 38.1887, 33.1117, 87.5975 by changing the saturation by 10% instead.

■ 38.1887, 33.1117,
87.5975

■ 38.1887, 33.1117,
87.5975

329.6956,
316.1528, 540.5513

■ 26.3071, 22.2120,
65.4273

■ 71.6993, 64.5499,
145.9029

■ 17.1874, 14.0128,
47.3541

■ 94.0590, 85.8572,
182.8752

■ 10.4643, 8.1296,
32.9593

120.6420,
111.4025, 225.6186

■ 5.7725, 4.1780,
21.8244

151.8139,
141.5702, 274.5516

■ 2.7466, 1.7736,
13.5309

187.9398,
176.7446, 330.0929

■ 1.0212, 0.4706,
7.6601

229.3851,

■ 0.0000, 0.0000,

217.3103, 392.6609

3.7936

276.5153,
263.6515, 462.6742

■ 0.0000, 0.0000,
1.5128

■ 0.0000, 0.0000,
0.2274

■ 38.1887, 33.1117,
87.5975

■ 38.1887, 33.1117,
87.5975

■ 31.0159, 24.4687,
86.3079

■ 47.0332, 43.7800,
89.1912

■ 25.4063, 17.7196,
85.3009

■ 57.6415, 56.5865,
91.1039

■ 21.2445, 12.7236,
84.5559

■ 70.1031, 71.6401,
93.3528

■ 18.3977, 9.3183,
84.0486

■ 84.5008, 89.0413,
95.9527

■ 16.7085, 7.3116,
83.7503

■ 92.8773, 99.1309,
97.4587

■ 15.9417, 6.4067,
83.6161

■ 15.9091, 6.3673,
83.6102

Harmonies

Analogous

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



30.4271, 33.1117, 95.0567



38.1887, 33.1117, 87.5975



44.9966, 33.1117, 64.6599

Triad

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



38.1887, 33.1117, 87.5975



40.3082, 33.1117, 11.5176



19.1511, 33.1117, 33.1116

Complementary

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



38.1887, 33.1117, 87.5975



72.5789, 83.5116, 39.4892

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.



20.9712, 33.1117, 17.4424



38.1887, 33.1117, 87.5975



32.5399, 33.1117, 8.5307

Square

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



38.1887, 33.1117, 87.5975



46.3506, 33.1117, 20.8750



25.5924, 33.1117, 10.1609



20.1756, 33.1117, 57.2294

Rectangle

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



38.1887, 33.1117, 87.5975



47.6568, 33.1117, 47.1784



25.5924, 33.1117, 10.1609



19.4414, 33.1117, 26.8304

Sweetspot

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



38.1900, 33.1129, 87.5983



75.7782, 76.7096, 105.4202



59.1873, 75.3732, 94.6487



15.8120, 15.9265, 22.4907



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.



38.1900, 33.1129, 87.5983



36.9556, 29.8588, 98.4233



48.2770, 38.3130, 88.0704



14.9127, 15.2367, 19.8766



8.6341, 3.4564, 45.3400



0.7237, 0.2903, 3.7721

Inverse Universe

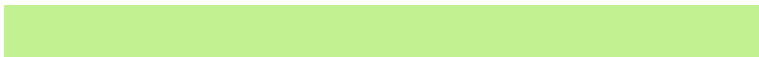
The Inverse Universe completely reimagines the original color for something new.



62.2832, 45.5507, 87.9469



67.7721, 45.7687, 98.8070



58.7645, 76.3900, 38.8427



16.4467, 16.0284, 19.9084



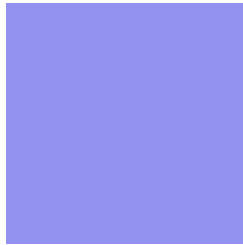
28.0803, 13.5045, 45.2009



2.3383, 1.1244, 3.7724

Previews

White Background



This preview shows how the XYZ color 38.1887, 33.1117, 87.5975 looks on a white background.

Color Contrast Check

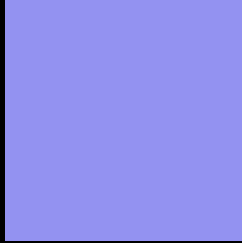
Large Text (above 18pt) WCAG AA × Fail

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 38.1887, 33.1117, 87.5975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

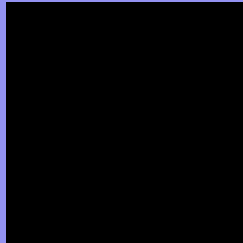
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1887, 33.1117, 87.5975

Background



This preview shows how black text looks on a background with the XYZ color 38.1887, 33.1117, 87.5975.



This preview shows how white text looks on a background with the XYZ color 38.1887, 33.1117,

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

38.1887, 33.1117, 87.5975

Protanopia

35.7625, 33.1649, 92.5123

Deuteranopia

34.2408, 33.2521, 86.2750



Tritanopia

29.4737, 32.9840, 44.3483

Trichromacy



Original Color

38.1887, 33.1117, 87.5975

Protanomaly

36.5937, 33.1511, 90.8563

Deuteranomaly

35.5606, 33.1834, 86.9689

Tritanomaly

32.2309, 32.8383, 58.0657

Monochromacy



Original Color

38.1887, 33.1117, 87.5975

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.6052, 33.1856, 52.2112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1887, 33.1117, 87.5975 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(147, 146, 241)` looks like.

```
.text, #text, p{  
    color:rgb(147, 146, 241)  
}
```

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(147, 146, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 146, 241) }
```

Border

The CSS property to change the border of an element to XYZ 38.1887, 33.1117, 87.5975 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(147, 146, 241) }
```


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

```
.border{ border-color:rgb(147, 146, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 146, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 146, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 146, 241);  
box-shadow:4px 4px 4px 4px rgb(147, 146,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1887, 33.1117, 87.5975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 146, 241) }
```

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

```
.background{ background-color: rgb(147,  
146, 241) }
```

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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