

Converting Colors

XYZ(37.2548, 33.1290, 87.8367)

Have a look what the booklet for
XYZ(37.2548, 33.1290, 87.8367)
contains.

XYZ(37.1145, 33.0197, 87.6364)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.1145, 33.0197,
87.6364)**

Conversions

Conversions Part 1

Format	Color
Hex	8B94F1
RGB	139, 148, 241
RGB Percent	55%, 58%, 95%
CMY	0.4549, 0.4196, 0.0549
CMYK	0.42, 0.39, 0.00, 0.05
HSL	235°, 78%, 75%
HSV	235°, 42%, 95%
XYZ	37.1145, 33.0197, 87.6364
YIQ	155.9110, -35.2170, 27.0150

Conversions

Conversions Part 2

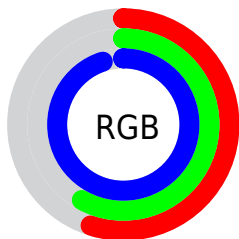
Format	Color
R _Y B	139, 147, 241
Decimal	9147633
CIE Lab	64.18, 19.87, -47.80
CIE LCh	64, 51.768, 292.570
Yxy	33.0197, 0.2352, 0.2093
Android (android.graphics.Color)	4287337713 (0xFF8B94F1)
YUV	155.9110, 41.9489, -14.8309
Hunter-Lab	57.4628, 14.7311, -50.1992

Details

The XYZ color **37.1145, 33.0197, 87.6364** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.7936, 78.2795, 35.8585**, and the grayscale version is **31.3916, 33.0264, 35.9657**.

A 20% lighter version of the original color is **61.9355, 61.1968, 103.1556**, and **16.5867, 14.0351, 47.1822** is the 20% darker color. If you saturate the color by 10%, you get **30.3994, 24.9183, 86.4272**, and if you desaturate by 10%, it is **45.3732, 42.8891, 89.1067**.

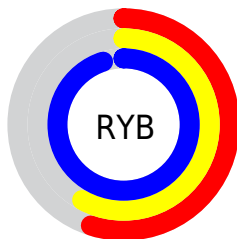
Distribution



Red (55%)

Green (58%)

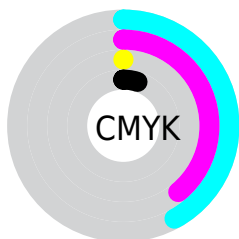
Blue (95%)



Red (55%)

Yellow (58%)

Blue (95%)

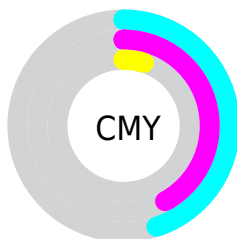


Cyan (42%)

Magenta (39%)

Yellow (0%)

Black (5%)



Cyan (45%)

Magenta (42%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1145, 33.0197, 87.6364 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 37.1145, 33.0197, 87.6364 by changing the saturation by 10% instead.

■ 37.1145, 33.0197,
87.6364

■ 37.1145, 33.0197,
87.6364

325.1529,
315.7385, 540.6822

■ 25.4702, 22.1415,
65.4594

■ 70.0615, 64.4063,
145.9575

■ 16.5583, 13.9609,
47.3799

■ 92.0950, 85.6835,
182.9387

■ 10.0134, 8.0935,
32.9796

118.3223,
111.1958, 225.6917

■ 5.4702, 4.1548,
21.8398

149.1087,
141.3277, 274.6349

■ 2.5633, 1.7605,
13.5421

184.8196,
176.4635, 330.1871

■ 0.9273, 0.4624,
7.6678

225.8204,

■ 0.0000, 0.0000,

216.9877, 392.7667

3.7984

272.4764,
263.2845, 462.7922

■ 0.0000, 0.0000,
1.5154

■ 0.0000, 0.0000,
0.2294

■ 37.1145, 33.0197,
87.6364

■ 37.1145, 33.0197,
87.6364

■ 30.3994, 24.9183,
86.4272

■ 45.3732, 42.8891,
89.1067

■ 25.1282, 18.4768,
85.4617

■ 55.2595, 54.6190,
90.8498

■ 21.1952, 13.5806,
84.7240

■ 66.8559, 68.2995,
92.8792

■ 18.4785, 10.0990,
84.1951

■ 80.2380, 84.0142,
95.2071

■ 16.8337, 7.8792,
83.8534

■ 92.8773, 99.1309,
97.4588

■ 16.1503, 6.8970,
83.6998

Harmonies

Analogous

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



29.5954, 33.0197, 92.7202



37.1145, 33.0197, 87.6364



43.9689, 33.0197, 66.5149

Triad

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



37.1145, 33.0197, 87.6364



40.7606, 33.0197, 12.4708



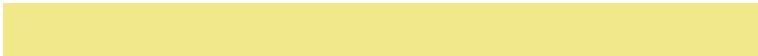
19.3734, 33.0197, 30.9782

Complementary

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



37.1145, 33.0197, 87.6364



69.7936, 78.2795, 35.8585

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.



21.4640, 33.0197, 16.5667



37.1145, 33.0197, 87.6364



33.2437, 33.0197, 8.9324

Square

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



37.1145, 33.0197, 87.6364



46.2924, 33.0197, 22.5716



26.2764, 33.0197, 10.0657



20.0791, 33.0197, 53.7905

Rectangle

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



37.1145, 33.0197, 87.6364



46.8551, 33.0197, 49.4602



26.2764, 33.0197, 10.0657



19.7596, 33.0197, 25.1600

Sweetspot

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



37.1158, 33.0209, 87.6372



74.9926, 76.4546, 105.4124



56.4994, 74.1587, 86.7904



15.3968, 15.5933, 22.4483



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.



37.1158, 33.0209, 87.6372



35.3641, 29.3042, 98.4001



43.8870, 34.4969, 87.5652



15.0094, 15.4528, 19.9132



8.7981, 3.8204, 45.4016



0.7700, 0.3939, 3.7897

Inverse Universe

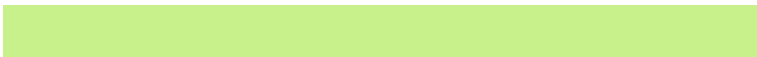
The Inverse Universe completely reimagines the original color for something new.



50.8546, 39.3055, 32.9245



53.0414, 37.7042, 27.9329



59.9895, 77.0825, 36.1442



15.8294, 15.7815, 16.6579



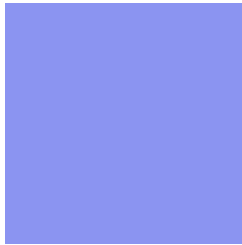
19.7665, 10.1790, 1.4210



1.6636, 0.8545, 0.2194

Previews

White Background



This preview shows how the XYZ color 37.1145, 33.0197, 87.6364 looks on a white background.

Color Contrast Check

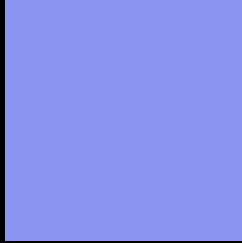
Large Text (above 18pt) WCAG AA × Fail

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 37.1145, 33.0197, 87.6364 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 37.1145, 33.0197, 87.6364

Background



This preview shows how black text looks on a background with the XYZ color 37.1145, 33.0197, 87.6364.



This preview shows how white text looks on a background with the XYZ color 37.1145, 33.0197,

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

37.1145, 33.0197, 87.6364

Protanopia

35.5948, 33.1140, 90.9018

Deuteranopia

33.9834, 33.1194, 86.2629



Tritanopia

28.6842, 33.0734, 45.4294

Trichromacy



Original Color

37.1145, 33.0197, 87.6364

Protanomaly

36.2978, 33.2541, 90.0935

Deuteranomaly

34.9825, 32.8853, 86.9418

Tritanomaly

31.2679, 32.8267, 58.7210

Monochromacy



Original Color

37.1145, 33.0197, 87.6364

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.9386, 32.8544, 51.6192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1145, 33.0197, 87.6364 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, 148, 241)` looks like.

```
.text, #text, p{  
    color:rgb(139, 148, 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(139, 148, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 148, 241) }
```

Border

The CSS property to change the border of an element to XYZ 37.1145, 33.0197, 87.6364 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, 148, 241) }
```


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

```
.border{ border-color:rgb(139, 148, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 148, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 148, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 148, 241);  
box-shadow:4px 4px 4px 4px rgb(139, 148,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1145, 33.0197, 87.6364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 148, 241) }
```

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

```
.background{ background-color: rgb(139,  
148, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor