

Converting Colors

XYZ(37.7238, 34.5208, 89.5211)

Have a look what the booklet for
XYZ(37.7238, 34.5208, 89.5211)
contains.

XYZ(37.7222, 34.4878, 89.4626)	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(37.7222, 34.4878,
89.4626)**

Conversions

Conversions Part 1

Format	Color
Hex	8899F3
RGB	136, 153, 243
RGB Percent	53%, 60%, 95%
CMY	0.4666, 0.4000, 0.0471
CMYK	0.44, 0.37, 0.00, 0.05
HSL	230°, 82%, 74%
HSV	230°, 44%, 95%
XYZ	37.7222, 34.4878, 89.4626
YIQ	158.1770, -39.0220, 24.3860

Conversions

Conversions Part 2

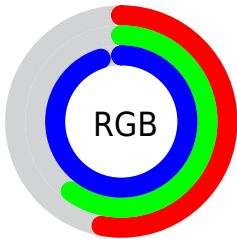
Format	Color
R _Y B	136, 151, 243
Decimal	8952307
CIE Lab	65.35, 16.81, -47.07
CIE LCh	65, 49.978, 289.649
Yxy	34.4878, 0.2333, 0.2133
Android (android.graphics.Color)	4287142387 (0xFF8899F3)
YUV	158.1770, 41.8177, -19.4492
Hunter-Lab	58.7263, 11.8865, -49.2129

Details

The XYZ color **37.7222, 34.4878, 89.4626** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.6037, 75.2266, 34.1986**, and the grayscale version is **32.4097, 34.0975, 37.1322**.

A 20% lighter version of the original color is **62.3551, 63.1831, 103.5168**, and **16.8387, 14.7102, 48.4062** is the 20% darker color. If you saturate the color by 10%, you get **31.1501, 26.5521, 88.2779**, and if you desaturate by 10%, it is **45.7644, 44.0331, 90.8818**.

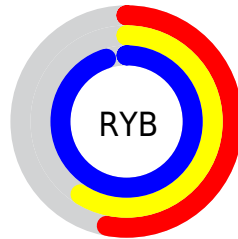
Distribution



Red (53%)

Green (60%)

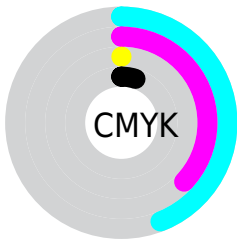
Blue (95%)



Red (53%)

Yellow (59%)

Blue (95%)

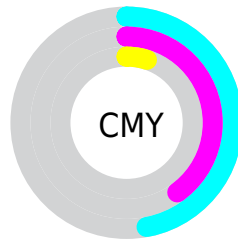


Cyan (44%)

Magenta (37%)

Yellow (0%)

Black (5%)



Cyan (47%)

Magenta (40%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7222, 34.4878, 89.4626 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 37.7222, 34.4878, 89.4626 by changing the saturation by 10% instead.

■ 37.7222, 34.4878,
89.4626

■ 37.7222, 34.4878,
89.4626

327.7283,
322.3017, 546.8061

■ 25.9434, 23.2686,
66.9638

■ 70.9888, 66.6915,
148.5207

■ 16.9137, 14.7920,
48.5938

■ 93.2073, 88.4448,
185.9171

■ 10.2679, 8.6735,
33.9340

■ 119.6364,
114.4783, 229.1164

■ 5.6406, 4.5288,
22.5660

150.6414,
145.1763, 278.5372

■ 2.6664, 1.9736,
14.0711

186.5878,
180.9232, 334.5980

■ 0.9799, 0.5920,
8.0308

227.8408,

■ 0.0000, 0.0000,

222.1035, 397.7174

4.0266

274.7658,
269.1015, 468.3139

■ 0.0000, 0.0000,
1.6400

■ 0.0000, 0.0000,
0.3191

■ 37.7222, 34.4878,
89.4626

■ 37.7222, 34.4878,
89.4626

■ 31.1501, 26.5521,
88.2779

■ 45.7644, 44.0331,
90.8818

■ 25.9539, 20.1325,
87.3127

■ 55.3556, 55.2673,
92.5447

■ 22.0342, 15.1309,
86.5539

■ 66.5733, 68.2685,
94.4630

■ 19.2759, 11.4362,
85.9861

■ 79.4889, 83.1091,
96.6468

■ 17.5421, 8.9192,
85.5916

■ 93.1778, 99.2511,
99.0410

■ 16.8904, 7.8963,
85.4286

Harmonies

Analogous

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



30.3250, 34.4878, 92.5003



37.7222, 34.4878, 89.4626



44.6638, 34.4878, 70.0004

Triad

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



37.7222, 34.4878, 89.4626



42.7183, 34.4878, 14.5148



20.8341, 34.4878, 30.7903

Complementary

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



37.7222, 34.4878, 89.4626



68.6037, 75.2266, 34.1986

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.



23.2160, 34.4878, 17.0955



37.7222, 34.4878, 89.4626



35.3633, 34.4878, 10.2871

Square

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



37.7222, 34.4878, 89.4626



47.8313, 34.4878, 25.6061



28.2888, 34.4878, 11.0139



21.2718, 34.4878, 52.7312

Rectangle

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



37.7222, 34.4878, 89.4626



47.7557, 34.4878, 53.3136



28.2888, 34.4878, 11.0139



21.3159, 34.4878, 25.2493

Sweetspot

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



37.7235, 34.4890, 89.4634



75.6292, 77.7278, 105.6246



55.8184, 74.7817, 82.8468



15.5517, 15.9029, 22.4999



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.



37.7235, 34.4890, 89.4634



35.3472, 30.3469, 98.6023



41.9234, 32.8140, 88.9188



15.7937, 16.3518, 20.8664



9.3324, 4.4586, 46.9068



0.8815, 0.5144, 4.1431

Inverse Universe

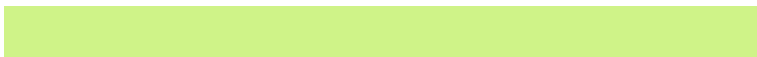
The Inverse Universe completely reimagines the original color for something new.



51.5172, 38.9644, 34.9437



52.7701, 36.5895, 29.6059



62.3210, 79.1931, 35.2953



16.6065, 16.5254, 17.6742



20.5151, 10.5495, 2.1549



1.8340, 0.9396, 0.3523

Previews

White Background



This preview shows how the XYZ color 37.7222, 34.4878, 89.4626 looks on a white background.

Color Contrast Check

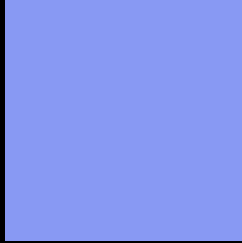
Large Text (above 18pt) WCAG AA × Fail

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 37.7222, 34.4878, 89.4626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

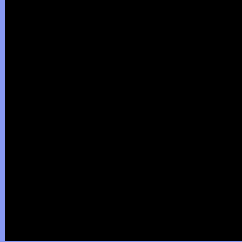
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7222, 34.4878, 89.4626

Background



This preview shows how black text looks on a background with the XYZ color 37.7222, 34.4878, 89.4626.



This preview shows how white text looks on a background with the XYZ color 37.7222, 34.4878,

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

37.7222, 34.4878, 89.4626

Protanopia

36.8070, 34.4709, 91.0998

Deuteranopia

35.5900, 34.6464, 88.8160



Tritanopia

29.3807, 34.4490, 47.7486

Trichromacy



Original Color

37.7222, 34.4878, 89.4626

Protanomaly

37.0907, 34.3887, 90.2707

Deuteranomaly

36.2277, 34.4728, 88.7489

Tritanomaly

31.8630, 34.1140, 60.7824

Monochromacy



Original Color

37.7222, 34.4878, 89.4626

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.6515, 33.9351, 52.9206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7222, 34.4878, 89.4626 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, 153, 243)` looks like.

```
.text, #text, p{  
    color:rgb(136, 153, 243)  
}
```

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, 153, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 153, 243) }
```

Border

The CSS property to change the border of an element to XYZ 37.7222, 34.4878, 89.4626 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, 153, 243) }
```


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

```
.border{ border-color:rgb(136, 153, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 153, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 153, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 153, 243);  
box-shadow:4px 4px 4px 4px rgb(136, 153,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7222, 34.4878, 89.4626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 153, 243) }
```

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

```
.background{ background-color: rgb(136,  
153, 243) }
```

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