

Converting Colors

XYZ(35.4221, 30.8374, 84.9742)

Have a look what the booklet for
XYZ(35.4221, 30.8374, 84.9742)
contains.

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Color

**XYZ(35.4221, 30.8374,
84.9742)**

Conversions

Conversions Part 1

Format	Color
Hex	898EEE
RGB	137, 142, 238
RGB Percent	54%, 56%, 93%
CMY	0.4627, 0.4431, 0.0667
CMYK	0.42, 0.40, 0.00, 0.07
HSL	237°, 75%, 74%
HSV	237°, 42%, 93%
XYZ	35.4221, 30.8374, 84.9742
YIQ	151.4490, -33.7960, 28.7960

Conversions

Conversions Part 2

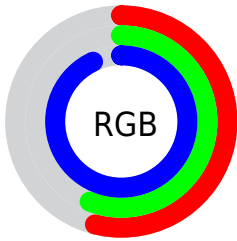
Format	Color
RYB	137, 142, 238
Decimal	9015022
CIELab	62.37, 22.01, -49.02
CIELCh	62, 53.732, 294.187
Yxy	30.8374, 0.2342, 0.2039
Android (android.graphics.Color)	4287205102 (0xFF898EEE)
YUV	151.4490, 42.6696, -12.6718
Hunter-Lab	55.5314, 16.6806, -51.8536

Details

The XYZ color **35.4221, 30.8374, 84.9742** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.9155, 78.2628, 35.1425**, and the grayscale version is **29.4419, 30.9751, 33.7319**.

A 20% lighter version of the original color is **60.0381, 58.1692, 102.6712**, and **15.5610, 12.7398, 45.3549** is the 20% darker color. If you saturate the color by 10%, you get **28.9112, 22.9817, 83.8017**, and if you desaturate by 10%, it is **43.4788, 40.5049, 86.4162**.

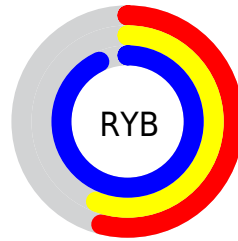
Distribution



Red (54%)

Green (56%)

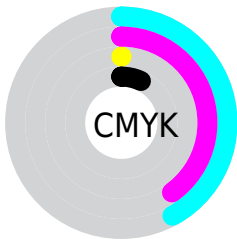
Blue (93%)



Red (54%)

Yellow (56%)

Blue (93%)

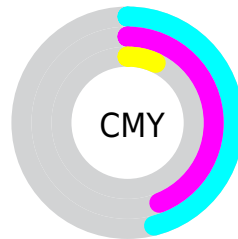


Cyan (42%)

Magenta (40%)

Yellow (0%)

Black (7%)



Cyan (46%)

Magenta (44%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4221, 30.8374, 84.9742 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 35.4221, 30.8374, 84.9742 by changing the saturation by 10% instead.

■ 35.4221, 30.8374,
84.9742

■ 35.4221, 30.8374,
84.9742

317.9030,
305.7885, 531.6851

■ 24.1562, 20.4751,
63.2700

■ 67.4689, 60.9840,
142.2110

■ 15.5749, 12.7408,
45.6173

■ 88.9805, 81.5370,
178.5807

■ 9.3128, 7.2503,
31.5974

■ 114.6381,
106.2557, 220.6759

■ 5.0045, 3.6191,
20.7919

144.8070,
135.5246, 268.9153

■ 2.2847, 1.4629,
12.7822

179.8526,
169.7278, 323.7174

■ 0.7868, 0.2624,
7.1498

220.1402,

■ 0.0000, 0.0000,

209.2500, 385.5007

3.4761

266.0353,
254.4754, 454.6837

■ 0.0000, 0.0000,
1.3426

■ 0.0000, 0.0000,
0.0963

■ 35.4221, 30.8374,
84.9742

■ 35.4221, 30.8374,
84.9742

■ 28.9112, 22.9817,
83.8017

■ 43.4788, 40.5049,
86.4162

■ 23.8438, 16.8217,
82.8797

■ 53.1677, 52.0837,
88.1405

■ 20.1107, 12.2333,
82.1908

■ 64.5733, 65.6702,
90.1618

■ 17.5860, 9.0740,
81.7141

■ 77.7730, 81.3533,
92.4932

■ 16.1190, 7.1751,
81.4249

■ 92.4327, 98.9531,
95.1177

■ 15.5615, 6.4307,
81.3106

Harmonies

Analogous

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



27.9161, 30.8374, 91.2714



35.4221, 30.8374, 84.9742



42.1780, 30.8374, 62.8922

Triad

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



35.4221, 30.8374, 84.9742



38.2795, 30.8374, 10.4427



17.4812, 30.8374, 29.6809

Complementary

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



35.4221, 30.8374, 84.9742



68.9155, 78.2628, 35.1425

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.



19.3680, 30.8374, 15.1689



35.4221, 30.8374, 84.9742



30.7495, 30.8374, 7.4127

Square

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



35.4221, 30.8374, 84.9742



44.0095, 30.8374, 19.6937



23.9449, 30.8374, 8.6889



18.3131, 30.8374, 52.8076

Rectangle

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



35.4221, 30.8374, 84.9742



44.9319, 30.8374, 45.7175



23.9449, 30.8374, 8.6889



17.8073, 30.8374, 23.8015

Sweetspot

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



35.4233, 30.8385, 84.9750



74.6472, 75.7638, 105.2973



55.5929, 72.3486, 88.0887



15.3130, 15.4256, 22.4203



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.



35.4233, 30.8385, 84.9750



34.6684, 27.9127, 98.1682



43.7775, 34.0659, 85.1576



14.9600, 15.3541, 19.8968



8.7085, 3.6412, 45.3717



0.7464, 0.3468, 3.7818

Inverse Universe

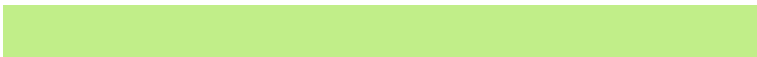
The Inverse Universe completely reimagines the original color for something new.



49.0891, 38.0228, 30.3440



52.6902, 37.5638, 26.0836



56.9688, 74.2345, 34.9946



15.8045, 15.7715, 16.5267



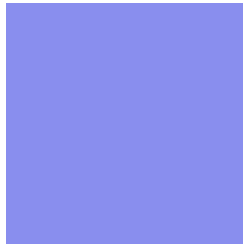
19.7213, 10.1609, 1.1827



1.6517, 0.8497, 0.1567

Previews

White Background



This preview shows how the XYZ color 35.4221, 30.8374, 84.9742 looks on a white background.

Color Contrast Check

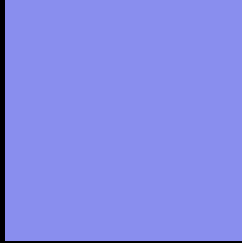
Large Text (above 18pt) WCAG AA × Fail

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 35.4221, 30.8374, 84.9742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

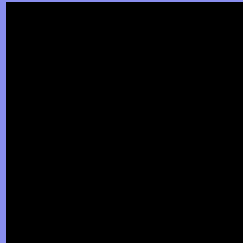
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.4221, 30.8374, 84.9742

Background



This preview shows how black text looks on a background with the XYZ color 35.4221, 30.8374, 84.9742.



This preview shows how white text looks on a background with the XYZ color 35.4221, 30.8374,

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

35.4221, 30.8374, 84.9742

Protanopia

33.4214, 30.8492, 88.9870

Deuteranopia

31.7556, 30.8119, 83.6305



Tritanopia

26.8262, 30.9005, 42.0866

Trichromacy



Original Color

35.4221, 30.8374, 84.9742

Protanomaly

34.0286, 30.7392, 87.3589

Deuteranomaly

32.9222, 30.6949, 84.3103

Tritanomaly

29.5700, 30.7871, 55.4229

Monochromacy



Original Color

35.4221, 30.8374, 84.9742

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.9912, 30.7097, 49.0939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4221, 30.8374, 84.9742 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(137, 142, 238)` looks like.

```
.text, #text, p{  
    color:rgb(137, 142, 238)  
}
```

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(137, 142, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 142, 238) }
```

Border

The CSS property to change the border of an element to XYZ 35.4221, 30.8374, 84.9742 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(137, 142, 238) }
```


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

```
.border{ border-color:rgb(137, 142, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 142, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 142, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 142, 238);  
box-shadow:4px 4px 4px 4px rgb(137, 142,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4221, 30.8374, 84.9742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 142, 238) }
```

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

```
.background{ background-color: rgb(137,  
142, 238) }
```

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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