

Converting Colors

XYZ(35.0006, 30.8054, 80.4823)

Have a look what the booklet for
XYZ(35.0006, 30.8054, 80.4823)
contains.

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Color

**XYZ(34.8860, 30.6612,
80.4234)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8EE8
RGB	139, 142, 232
RGB Percent	55%, 56%, 91%
CMY	0.4549, 0.4431, 0.0902
CMYK	0.40, 0.39, 0.00, 0.09
HSL	238°, 67%, 73%
HSV	238°, 40%, 91%
XYZ	34.8860, 30.6612, 80.4234
YIQ	151.3630, -30.6780, 27.3540

Conversions

Conversions Part 2

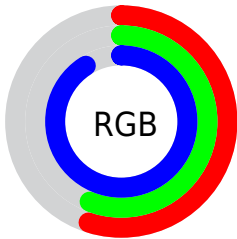
Format	Color
RYB	139, 142, 232
Decimal	9146088
CIELab	62.22, 20.84, -45.93
CIElCh	62, 50.431, 294.402
Yxy	30.6612, 0.2390, 0.2101
Android (android.graphics.Color)	4287336168 (0xFF8B8EE8)
YUV	151.3630, 39.7540, -10.8424
Hunter-Lab	55.3726, 15.5572, -47.3523

Details

The XYZ color **34.8860, 30.6612, 80.4234** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **65.9595, 75.0602, 35.4394**, and the grayscale version is **29.4162, 30.9482, 33.7026**.

A 20% lighter version of the original color is **60.5549, 58.4356, 102.6954**, and **15.3198, 12.6737, 42.7131** is the 20% darker color. If you saturate the color by 10%, you get **28.4046, 22.8509, 79.2580**, and if you desaturate by 10%, it is **42.8644, 40.2430, 81.8529**.

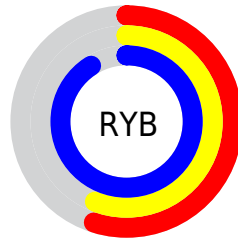
Distribution



Red (55%)

Green (56%)

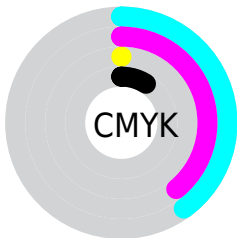
Blue (91%)



Red (55%)

Yellow (56%)

Blue (91%)

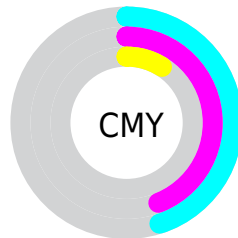


Cyan (40%)

Magenta (39%)

Yellow (0%)

Black (9%)



Cyan (45%)

Magenta (44%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8860, 30.6612, 80.4234 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 34.8860, 30.6612, 80.4234 by changing the saturation by 10% instead.

■ 34.8860, 30.6612,
80.4234

■ 34.8860, 30.6612,
80.4234

315.5817,
304.9744, 516.1029

■ 23.7412, 20.3410,
59.5386

■ 66.6443, 60.7063,
135.7776

■ 15.2654, 12.6432,
42.6240

■ 87.9885, 81.1999,
171.0841

■ 9.0934, 7.1833,
29.2610

■ 113.4632,
105.8535, 212.0350

■ 4.8598, 3.5770,
19.0311

143.4338,
135.0515, 259.0487

■ 2.1991, 1.4399,
11.5157

178.2655,
169.1781, 312.5438

■ 0.7423, 0.2458,
6.2963

218.3239,

■ 0.0000, 0.0000,

208.6179, 372.9388

2.9544

263.9742,
253.7552, 440.6524

■ 0.0000, 0.0000,
1.0714

■ 0.0000, 0.0000,
0.0000

■ 34.8860, 30.6612,
80.4234

■ 34.8860, 30.6612,
80.4234

■ 28.4046, 22.8509,
79.2580

■ 42.8644, 40.2430,
81.8529

■ 23.3236, 16.7003,
78.3387

■ 52.4215, 51.6920,
83.5591

■ 19.5407, 12.0905,
77.6483

■ 63.6370, 65.1012,
85.5562

■ 16.9382, 8.8852,
77.1667

■ 76.5844, 80.5563,
87.8570

■ 15.3768, 6.9240,
76.8705

■ 91.3310, 98.1370,
90.4732

■ 14.6468, 5.9886,
76.7284

■ 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.



27.8855, 30.6612, 86.2502



34.8860, 30.6612, 80.4234



41.1215, 30.6612, 60.2744

Triad

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



34.8860, 30.6612, 80.4234



37.4365, 30.6612, 11.2529



17.9691, 30.6612, 29.8634

Complementary

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



34.8860, 30.6612, 80.4234



65.9595, 75.0602, 35.4394

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.



19.7501, 30.6612, 15.9855



34.8860, 30.6612, 80.4234



30.4368, 30.6612, 8.2624

Square

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



34.8860, 30.6612, 80.4234



42.7472, 30.6612, 20.1792



24.0668, 30.6612, 9.5747



18.7822, 30.6612, 51.3713

Rectangle

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



34.8860, 30.6612, 80.4234



43.6398, 30.6612, 44.5012



24.0668, 30.6612, 9.5747



18.2745, 30.6612, 24.2934

Sweetspot

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



34.8872, 30.6623, 80.4241



75.9444, 77.1909, 105.5044



53.6340, 68.8546, 84.5196



15.8507, 16.0385, 22.5103



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.



34.8872, 30.6623, 80.4241



36.5411, 29.9366, 98.4602



43.1855, 34.2869, 80.6864



13.6199, 13.9612, 18.1213



8.1487, 3.3594, 42.6021



0.6154, 0.2747, 3.1526

Inverse Universe

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



47.3949, 37.5755, 30.3470



54.0557, 39.7189, 28.3140



54.4051, 70.3459, 35.1384



14.3957, 14.3755, 15.0184



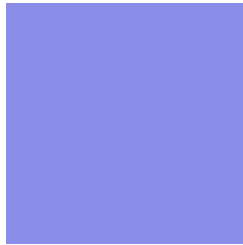
18.5066, 9.5368, 1.0306



1.3742, 0.7074, 0.1113

Previews

White Background



This preview shows how the XYZ color 34.8860, 30.6612, 80.4234 looks on a white background.

Color Contrast Check

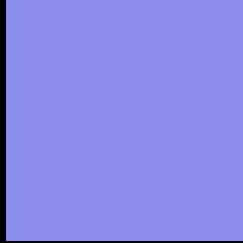
Large Text (above 18pt) WCAG AA × Fail

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 34.8860, 30.6612, 80.4234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

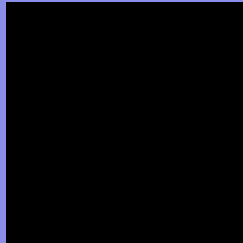
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8860, 30.6612, 80.4234

Background



This preview shows how black text looks on a background with the XYZ color 34.8860, 30.6612, 80.4234.



This preview shows how white text looks on a background with the XYZ color 34.8860, 30.6612,

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

34.8860, 30.6612, 80.4234

Protanopia

33.0559, 30.7638, 84.3165

Deuteranopia

31.6197, 30.8409, 79.1493



Tritanopia

26.9576, 30.4808, 41.5084

Trichromacy



Original Color

34.8860, 30.6612, 80.4234

Protanomaly

33.5782, 30.6089, 82.7356

Deuteranomaly

32.7427, 30.7019, 79.8016

Tritanomaly

29.3636, 30.2414, 53.5798

Monochromacy



Original Color

34.8860, 30.6612, 80.4234

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.8607, 30.6781, 47.4750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8860, 30.6612, 80.4234 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, 142, 232)` looks like.

```
.text, #text, p{  
    color:rgb(139, 142, 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(139, 142, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 142, 232) }
```

Border

The CSS property to change the border of an element to XYZ 34.8860, 30.6612, 80.4234 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, 142, 232) }
```


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

```
.border{ border-color:rgb(139, 142, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 142, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 142, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 142, 232);  
box-shadow:4px 4px 4px 4px rgb(139, 142,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8860, 30.6612, 80.4234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 142, 232) }
```

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

```
.background{ background-color: rgb(139,  
142, 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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