

Converting Colors

XYZ(34.5512, 29.8835, 80.3282)

Have a look what the booklet for
XYZ(34.5512, 29.8835, 80.3282)
contains.

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Color

**XYZ(34.4456, 29.7804,
80.2766)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8BE8
RGB	139, 139, 232
RGB Percent	55%, 55%, 91%
CMY	0.4549, 0.4549, 0.0902
CMYK	0.40, 0.40, 0.00, 0.09
HSL	240°, 67%, 73%
HSV	240°, 40%, 91%
XYZ	34.4456, 29.7804, 80.2766
YIQ	149.6020, -29.8530, 28.9230

Conversions

Conversions Part 2

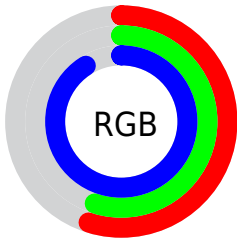
Format	Color
R _Y B	139, 139, 232
Decimal	9145320
CIE Lab	61.46, 22.58, -47.12
CIE LCh	61, 52.251, 295.606
Yxy	29.7804, 0.2384, 0.2061
Android (android.graphics.Color)	4287335400 (0xFF8B8BE8)
YUV	149.6020, 40.6222, -9.2980
Hunter-Lab	54.5714, 17.1696, -49.0178

Details

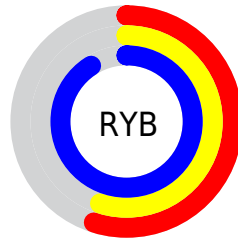
The XYZ color **34.4456, 29.7804, 80.2766** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.7954, 76.7333, 35.7175**, and the grayscale version is **28.6647, 30.1575, 32.8415**.

A 20% lighter version of the original color is **59.6646, 56.6550, 102.3986**, and **14.9761, 12.1183, 42.6240** is the 20% darker color. If you saturate the color by 10%, you get **27.9647, 21.9711, 79.1114**, and if you desaturate by 10%, it is **42.4634, 39.4410, 81.7193**.

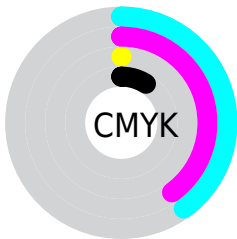
Distribution



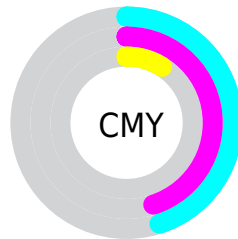
- Red (55%)
- Green (55%)
- Blue (91%)



- Red (55%)
- Yellow (55%)
- Blue (91%)



- Cyan (40%)
- Magenta (40%)
- Yellow (0%)
- Black (9%)





- Cyan (45%)
- Magenta (45%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4456, 29.7804, 80.2766 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 34.4456, 29.7804, 80.2766 by changing the saturation by 10% instead.


 34.4456, 29.7804,
80.2766


 34.4456, 29.7804,
80.2766


313.6655,
300.8795, 515.5958


 23.4006, 19.6720,
59.4185


 65.9657, 59.3147,
135.5695

 15.0119, 12.1568,
42.5279


 87.1716, 79.5094,
170.8413

 8.9141, 6.8506,
29.1862

 112.4951,
103.8349, 211.7548

 4.7419, 3.3688,
18.9749

142.3017,
132.6757, 258.7284

 2.1298, 1.3272,
11.4755

176.9567,
166.4162, 312.1808

 0.7053, 0.1621,
6.2695

216.8254,

 0.0000, 0.0000,

205.4407, 372.5305

2.9382

262.2732,
250.1337, 440.1960

■ 0.0000, 0.0000,
1.0632

■ 0.0000, 0.0000,
0.0000

■ 34.4456, 29.7804,
80.2766

■ 34.4456, 29.7804,
80.2766

■ 27.9647, 21.9711,
79.1114

■ 42.4634, 39.4410,
81.7193

■ 22.9195, 15.8919,
78.2039

■ 52.1039, 51.0573,
83.4533

■ 19.2017, 11.4122,
77.5352

■ 63.4510, 64.7298,
85.4943

■ 16.6865, 8.3817,
77.0828

■ 76.5813, 80.5512,
87.8561

■ 15.2255, 6.6213,
76.8200

■ 91.5656, 98.6062,
90.5513

■ 14.5657, 5.8263,
76.7013

Harmonies

Analogous

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



27.2995, 29.7804, 87.0968



34.4456, 29.7804, 80.2766



40.7475, 29.7804, 59.0240

Triad

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



34.4456, 29.7804, 80.2766



36.4948, 29.7804, 10.0691



17.0158, 29.7804, 29.5968

Complementary

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



34.4456, 29.7804, 80.2766



66.7954, 76.7333, 35.7175

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.



18.6951, 29.7804, 15.3291



34.4456, 29.7804, 80.2766



29.3356, 29.7804, 7.3574

Square

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



34.4456, 29.7804, 80.2766



42.0593, 29.7804, 18.6024



22.9420, 29.7804, 8.7905



17.9336, 29.7804, 51.8112

Rectangle

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



34.4456, 29.7804, 80.2766



43.2262, 29.7804, 42.8360



22.9420, 29.7804, 8.7905



17.2865, 29.7804, 23.8557

Sweetspot

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



34.4467, 29.7815, 80.2773



75.6781, 76.6580, 105.4155



54.0702, 69.0290, 86.8186



15.7887, 15.9145, 22.4896



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.



34.4467, 29.7815, 80.2773



35.9931, 28.8400, 98.2774



43.9273, 34.6689, 80.7210



13.5829, 13.8872, 18.1089



8.0862, 3.2345, 42.5813



0.5976, 0.2390, 3.1466

Inverse Universe

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



57.0772, 41.4479, 81.3348



67.6224, 45.1456, 99.7553



53.6460, 69.9545, 35.1021



14.9952, 14.6153, 18.1749



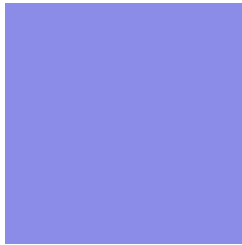
26.5608, 12.7585, 43.4438



1.9628, 0.9428, 3.2104

Previews

White Background



This preview shows how the XYZ color 34.4456, 29.7804, 80.2766 looks on a white background.

Color Contrast Check

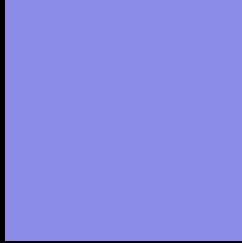
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4456, 29.7804, 80.2766 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 × Fail

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

XYZ 34.4456, 29.7804, 80.2766

Background



This preview shows how black text looks on a background with the XYZ color 34.4456, 29.7804, 80.2766.



This preview shows how white text looks on a background with the XYZ color 34.4456, 29.7804,

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

34.4456, 29.7804, 80.2766

Protanopia

32.2215, 29.8759, 84.1891

Deuteranopia

30.8167, 29.9572, 79.0210



Tritanopia

26.3511, 29.7100, 39.9431

Trichromacy



Original Color

34.4456, 29.7804, 80.2766

Protanomaly

32.8439, 29.7807, 82.6144

Deuteranomaly

32.0204, 29.8719, 79.6795

Tritanomaly

28.8285, 29.5211, 52.3228

Monochromacy



Original Color

34.4456, 29.7804, 80.2766

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.3712, 29.9640, 47.3629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4456, 29.7804, 80.2766 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, 139, 232)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 34.4456, 29.7804, 80.2766 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, 139, 232) }
```


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

```
.border{ border-color:rgb(139, 139, 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, 139, 232)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 34.4456, 29.7804, 80.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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