

Converting Colors

XYZ(31.6126, 25.9130, 82.6003)

Have a look what the booklet for
XYZ(31.6126, 25.9130, 82.6003)
contains.

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Color

**XYZ(31.7616, 26.0837,
82.7175)**

Conversions

Conversions Part 1

Format	Color
Hex	8080EC
RGB	128, 128, 236
RGB Percent	50%, 50%, 93%
CMY	0.4980, 0.4980, 0.0745
CMYK	0.46, 0.46, 0.00, 0.07
HSL	240°, 74%, 71%
HSV	240°, 46%, 93%
XYZ	31.7616, 26.0837, 82.7175
YIQ	140.3120, -34.6680, 33.5880

Conversions

Conversions Part 2

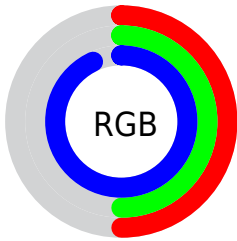
Format	Color
R _Y B	128, 128, 236
Decimal	8421612
CIE Lab	58.12, 27.50, -54.70
CIE LCh	58, 61.229, 296.691
Yxy	26.0837, 0.2260, 0.1856
Android (android.graphics.Color)	4286611692 (0xFF8080EC)
YUV	140.3120, 47.1742, -10.7976
Hunter-Lab	51.0722, 21.6321, -60.2767

Details

The XYZ color **31.7616, 26.0837, 82.7175** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.4834, 79.3823, 32.1356**, and the grayscale version is **24.8814, 26.1772, 28.5069**.

A 20% lighter version of the original color is **54.8236, 50.7069, 101.5056**, and **13.4585, 10.1487, 43.8974** is the 20% darker color. If you saturate the color by 10%, you get **25.8874, 19.0053, 81.6614**, and if you desaturate by 10%, it is **39.1791, 35.0209, 84.0521**.

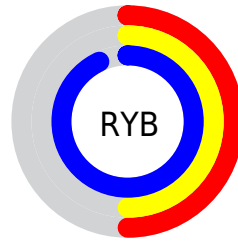
Distribution



Red (50%)

Green (50%)

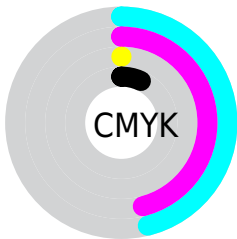
Blue (93%)



Red (50%)

Yellow (50%)

Blue (93%)

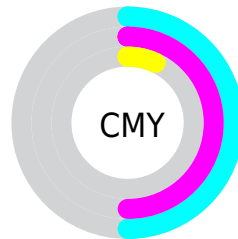


Cyan (46%)

Magenta (46%)

Yellow (0%)

Black (7%)



Cyan (50%)

Magenta (50%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7616, 26.0837, 82.7175 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 31.7616, 26.0837, 82.7175 by changing the saturation by 10% instead.

■ 31.7616, 26.0837,
82.7175

■ 31.7616, 26.0837,
82.7175

301.7964,
283.1927, 523.9909

■ 21.3341, 16.8863,
61.4179

■ 61.8049, 53.4099,
139.0254

■ 13.4823, 10.1534,
44.1297

■ 82.1514, 72.3075,
174.8708

■ 7.8408, 5.5008,
30.4346

■ 106.5350, 95.2073,
216.4018

■ 4.0442, 2.5440,
19.9138

135.3210,
122.4937, 264.0371

■ 1.7272, 0.8986,
12.1490

168.8748,
154.5510, 318.1950

■ 0.4732, 0.0000,
6.7214

207.5618,

■ 0.0000, 0.0000,

191.7637, 379.2943

3.2127

251.7472,
234.5161, 447.7534

■ 0.0000, 0.0000,
1.2043

■ 0.0000, 0.0000,
0.0000

■ 31.7616, 26.0837,
82.7175

■ 31.7616, 26.0837,
82.7175

■ 25.8874, 19.0053,
81.6614

■ 39.1791, 35.0209,
84.0521

■ 21.4449, 13.6524,
80.8623

■ 48.2347, 45.9324,
85.6810

■ 18.3127, 9.8784,
80.2989

■ 59.0193, 58.9272,
87.6208

■ 16.3479, 7.5110,
79.9455

■ 71.6163, 74.1059,
89.8867

■ 15.3743, 6.3379,
79.7704

■ 86.1036, 91.5623,
92.4925

■ 15.1405, 6.0562,
79.7284

■ 92.1404, 98.8362,
93.5784

Harmonies

Analogous

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



23.9779, 26.0837, 91.7612



31.7616, 26.0837, 82.7175



38.7146, 26.0837, 57.2363

Triad

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



31.7616, 26.0837, 82.7175



33.4727, 26.0837, 6.1213



13.1101, 26.0837, 26.1086

Complementary

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



31.7616, 26.0837, 82.7175



68.4834, 79.3823, 32.1356

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.



14.6851, 26.0837, 11.3633



31.7616, 26.0837, 82.7175



25.6238, 26.0837, 4.0316

Square

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



31.7616, 26.0837, 82.7175



39.8329, 26.0837, 13.7269



18.9244, 26.0837, 5.3126



14.1123, 26.0837, 50.9675

Rectangle

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



31.7616, 26.0837, 82.7175



41.4117, 26.0837, 38.8737



18.9244, 26.0837, 5.3126



13.3464, 26.0837, 20.0011

Sweetspot

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



31.7627, 26.0846, 82.7181



72.7639, 73.1465, 104.8914



54.0384, 70.6368, 90.1435



14.9226, 14.8709, 22.3338



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.



31.7627, 26.0846, 82.7181



31.1902, 23.0527, 97.4135



42.1516, 31.4403, 83.2043



14.2313, 14.5490, 18.9804



8.3457, 3.3383, 43.9475



0.6554, 0.2621, 3.4509

Inverse Universe

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



57.4517, 39.3278, 83.9182



65.3917, 40.6843, 99.0109



53.1838, 71.4951, 31.4196



15.7149, 15.3138, 19.0497



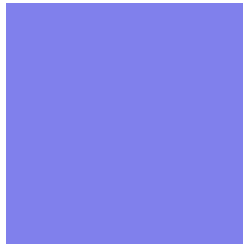
27.4129, 13.1679, 44.8372



2.1526, 1.0340, 3.5208

Previews

White Background



This preview shows how the XYZ color 31.7616, 26.0837, 82.7175 looks on a white background.

Color Contrast Check

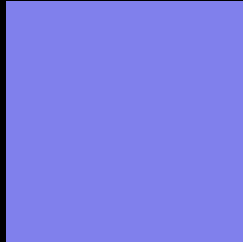
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7616, 26.0837, 82.7175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

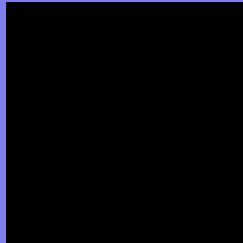
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7616, 26.0837, 82.7175

Background



This preview shows how black text looks on a background with the XYZ color 31.7616, 26.0837, 82.7175.



This preview shows how white text looks on a background with the XYZ color 31.7616, 26.0837,

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

31.7616, 26.0837, 82.7175

Protanopia

29.4477, 26.3641, 89.1247

Deuteranopia

27.0666, 26.1759, 80.7167



Tritanopia

22.3943, 26.0906, 36.2034

Trichromacy



Original Color

31.7616, 26.0837, 82.7175

Protanomaly

29.9736, 26.0690, 86.6711

Deuteranomaly

28.3748, 25.9817, 81.3614

Tritanomaly

25.0350, 25.5878, 50.0738

Monochromacy



Original Color

31.7616, 26.0837, 82.7175

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.6954, 25.9377, 44.1569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7616, 26.0837, 82.7175 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(128, 128, 236)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 236)  
}
```

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(128, 128, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 236) }
```

Border

The CSS property to change the border of an element to XYZ 31.7616, 26.0837, 82.7175 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(128, 128, 236) }
```


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

```
.border{ border-color:rgb(128, 128, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 128, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 236);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7616, 26.0837, 82.7175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 236) }
```

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

```
.background{ background-color: rgb(128,  
128, 236) }
```

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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