

Converting Colors

XYZ(30.9531, 26.0603, 77.8960)

Have a look what the booklet for
XYZ(30.9531, 26.0603, 77.8960)
contains.

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Color

**XYZ(31.0353, 26.0029,
78.2462)**

Conversions

Conversions Part 1

Format	Color
Hex	8081E6
RGB	128, 129, 230
RGB Percent	50%, 51%, 90%
CMY	0.4980, 0.4941, 0.0980
CMYK	0.44, 0.44, 0.00, 0.10
HSL	239°, 67%, 70%
HSV	239°, 44%, 90%
XYZ	31.0353, 26.0029, 78.2462
YIQ	140.2150, -33.0170, 31.1990

Conversions

Conversions Part 2

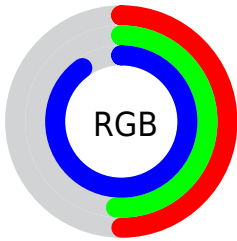
Format	Color
RYB	128, 129, 230
Decimal	8421862
CIELab	58.04, 25.17, -51.49
CIELCh	58, 57.309, 296.050
Yxy	26.0029, 0.2294, 0.1922
Android (android.graphics.Color)	4286611942 (0xFF8081E6)
YUV	140.2150, 44.2640, -10.7126
Hunter-Lab	50.9930, 19.4006, -55.2823

Details

The XYZ color **31.0353, 26.0029, 78.2462** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **64.5502, 74.4222, 31.3865**, and the grayscale version is **24.8542, 26.1486, 28.4758**.

A 20% lighter version of the original color is **54.7855, 50.9902, 101.5623**, and **13.1072, 10.1329, 41.3094** is the 20% darker color. If you saturate the color by 10%, you get **25.2867, 19.0716, 77.2118**, and if you desaturate by 10%, it is **38.2385, 34.6772, 79.5414**.

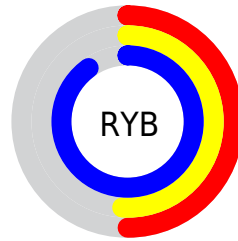
Distribution



Red (50%)

Green (51%)

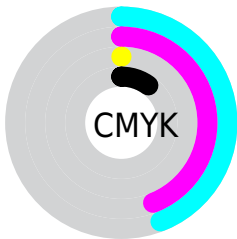
Blue (90%)



Red (50%)

Yellow (51%)

Blue (90%)

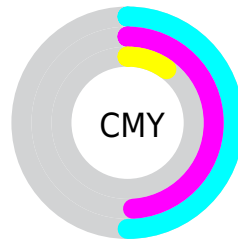


Cyan (44%)

Magenta (44%)

Yellow (0%)

Black (10%)



Cyan (50%)

Magenta (49%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0353, 26.0029, 78.2462 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 31.0353, 26.0029, 78.2462 by changing the saturation by 10% instead.

■ 31.0353, 26.0029,
78.2462

■ 31.0353, 26.0029,
78.2462

298.5249,
282.7963, 508.5526

■ 20.7777, 16.8258,
57.7586

■ 60.6711, 53.2796,
132.6862

■ 13.0731, 10.1104,
41.2012

■ 80.7800, 72.1480,
167.4756

■ 7.5563, 5.4722,
28.1554

■ 104.9034, 95.0157,
207.8694

■ 3.8618, 2.5269,
18.2028

133.4066,
122.2670, 254.2861

■ 1.6242, 0.8901,
10.9247

166.6550,
154.2863, 307.1442

■ 0.4081, 0.0000,
5.9027

205.0140,

■ 0.0000, 0.0000,

191.4580, 366.8623

2.7182

248.8488,
234.1666, 433.8589

■ 0.0000, 0.0000,
0.9526

■ 0.0000, 0.0000,
0.0000

■ 31.0353, 26.0029,
78.2462

■ 31.0353, 26.0029,
78.2462

■ 25.2867, 19.0716,
77.2118

■ 38.2385, 34.6772,
79.5414

■ 20.8910, 13.7631,
76.4189

■ 46.9827, 45.1984,
81.1113

■ 17.7384, 9.9462,
75.8483

■ 57.3510, 57.6656,
82.9713

■ 15.7007, 7.4683,
75.4774

■ 69.4199, 72.1700,
85.1348

■ 14.6217, 6.1440,
75.2787

■ 83.2610, 88.7969,
87.6146

■ 14.3074, 5.7620,
75.2215

■ 91.2830, 98.4932,
89.0634

Harmonies

Analogous

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



23.8090, 26.0029, 85.9353



31.0353, 26.0029, 78.2462



37.4867, 26.0029, 55.3940

Triad

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



31.0353, 26.0029, 78.2462



32.9215, 26.0029, 6.9988



13.6695, 26.0029, 25.7662

Complementary

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



31.0353, 26.0029, 78.2462



64.5502, 74.4222, 31.3865

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.



15.2338, 26.0029, 11.9101



31.0353, 26.0029, 78.2462



25.6436, 26.0029, 4.7654

Square

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



31.0353, 26.0029, 78.2462



38.7106, 26.0029, 14.6515



19.3169, 26.0029, 6.0142



14.5790, 26.0029, 48.5768

Rectangle

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



31.0353, 26.0029, 78.2462



40.0197, 26.0029, 38.5365



19.3169, 26.0029, 6.0142



13.9143, 26.0029, 20.0789

Sweetspot

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



31.0363, 26.0038, 78.2468



74.2958, 75.0610, 105.1802



51.2452, 66.8017, 83.8110



15.2278, 15.2553, 22.3919



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.



31.0363, 26.0038, 78.2468



32.6332, 24.9188, 97.6976



40.2033, 30.5355, 78.6384



13.5941, 13.9096, 18.1127



8.1051, 3.2724, 42.5876



0.6030, 0.2498, 3.1484

Inverse Universe

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



44.3157, 33.8477, 24.9671



51.4002, 36.0416, 22.3920



51.1800, 67.9405, 30.8401



14.3827, 14.3703, 14.9498



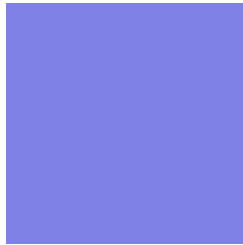
18.4846, 9.5281, 0.9150



1.3680, 0.7049, 0.0783

Previews

White Background



This preview shows how the XYZ color 31.0353, 26.0029, 78.2462 looks on a white background.

Color Contrast Check

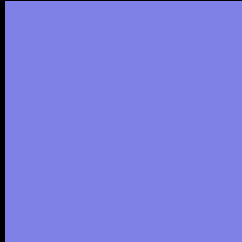
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0353, 26.0029, 78.2462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

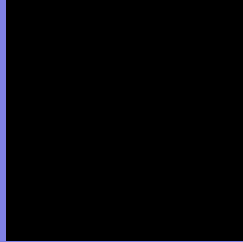
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0353, 26.0029, 78.2462

Background



This preview shows how black text looks on a background with the XYZ color 31.0353, 26.0029, 78.2462.



This preview shows how white text looks on a background with the XYZ color 31.0353, 26.0029,

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

31.0353, 26.0029, 78.2462

Protanopia

28.7684, 26.1512, 82.8883

Deuteranopia

27.0378, 26.2424, 77.0390



Tritanopia

22.3955, 25.8733, 35.7120

Trichromacy



Original Color

31.0353, 26.0029, 78.2462

Protanomaly

29.4232, 25.9037, 81.2911

Deuteranomaly

28.2025, 25.9748, 77.6559

Tritanomaly

24.9546, 25.5708, 48.9678

Monochromacy



Original Color

31.0353, 26.0029, 78.2462

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.5003, 25.8597, 43.1299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0353, 26.0029, 78.2462 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, 129, 230)` looks like.

```
.text, #text, p{  
    color:rgb(128, 129, 230)  
}
```

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, 129, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 129, 230) }
```

Border

The CSS property to change the border of an element to XYZ 31.0353, 26.0029, 78.2462 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, 129, 230) }
```


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

```
.border{ border-color:rgb(128, 129, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 129, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 129, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 129, 230);  
box-shadow:4px 4px 4px 4px rgb(128, 129,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0353, 26.0029, 78.2462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 129, 230) }
```

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

```
.background{ background-color: rgb(128,  
129, 230) }
```

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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