

Converting Colors

XYZ(31.2596, 26.6701, 76.3050)

Have a look what the booklet for
XYZ(31.2596, 26.6701, 76.3050)
contains.

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Color

**XYZ(31.3223, 26.7944,
76.1940)**

Conversions

Conversions Part 1

Format	Color
Hex	8284E3
RGB	130, 132, 227
RGB Percent	51%, 52%, 89%
CMY	0.4902, 0.4823, 0.1098
CMYK	0.43, 0.42, 0.00, 0.11
HSL	239°, 63%, 70%
HSV	239°, 43%, 89%
XYZ	31.3223, 26.7944, 76.1940
YIQ	142.2320, -31.6870, 29.1210

Conversions

Conversions Part 2

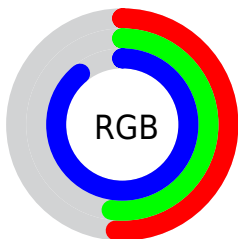
Format	Color
RYB	130, 132, 227
Decimal	8553699
CIELab	58.78, 23.02, -48.62
CIELCh	59, 53.799, 295.333
Yxy	26.7944, 0.2332, 0.1995
Android (android.graphics.Color)	4286743779 (0xFF8284E3)
YUV	142.2320, 41.7906, -10.7275
Hunter-Lab	51.7633, 17.4257, -51.0387

Details

The XYZ color **31.3223, 26.7944, 76.1940** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **62.6343, 71.7948, 31.6772**, and the grayscale version is **25.6526, 26.9885, 29.3905**.

A 20% lighter version of the original color is **55.8925, 52.4827, 101.7921**, and **13.2680, 10.5826, 39.8714** is the 20% darker color. If you saturate the color by 10%, you get **25.5164, 19.7930, 75.1491**, and if you desaturate by 10%, it is **38.5407, 35.4784, 77.4903**.

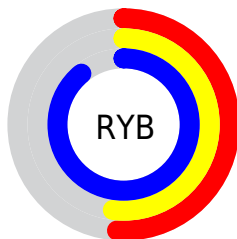
Distribution



Red (51%)

Green (52%)

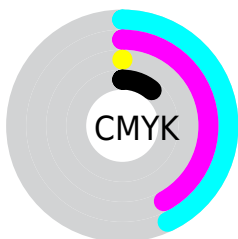
Blue (89%)



Red (51%)

Yellow (52%)

Blue (89%)

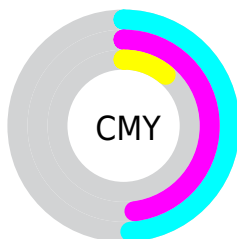


Cyan (43%)

Magenta (42%)

Yellow (0%)

Black (11%)



Cyan (49%)

Magenta (48%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3223, 26.7944, 76.1940 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 31.3223, 26.7944, 76.1940 by changing the saturation by 10% instead.

■ 31.3223, 26.7944,
76.1940

■ 31.3223, 26.7944,
76.1940

299.8208,
286.6603, 501.3760

■ 20.9974, 17.4189,
56.0840

■ 61.1195, 54.5538,
129.7637

■ 13.2346, 10.5336,
39.8658

■ 81.3226, 73.7064,
164.0605

■ 7.6684, 5.7542,
27.1210

■ 105.5491, 96.8869,
203.9232

■ 3.9335, 2.6962,
17.4308

134.1645,
124.4795, 249.7706

■ 1.6646, 0.9752,
10.3769

167.5339,
156.8688, 302.0210

■ 0.4339, 0.0000,
5.5407

206.0229,

■ 0.0000, 0.0000,

194.4391, 361.0930

2.5037

249.9968,
237.5748, 427.4052

■ 0.0000, 0.0000,
0.8421

■ 0.0000, 0.0000,
0.0000

■ 31.3223, 26.7944,
76.1940

■ 31.3223, 26.7944,
76.1940

■ 25.5164, 19.7930,
75.1491

■ 38.5407, 35.4784,
77.4903

■ 21.0275, 14.3626,
74.3375

■ 47.2524, 45.9411,
79.0506

■ 17.7536, 10.3828,
73.7419

■ 57.5358, 58.2748,
80.8893

■ 15.5762, 7.7144,
73.3416

■ 69.4631, 72.5646,
83.0188

■ 14.3528, 6.1912,
73.1121

■ 83.1016, 88.8904,
85.4512

■ 13.9160, 5.6476,
73.0302

■ 90.8652, 98.3261,
86.8633

Harmonies

Analogous

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



24.4439, 26.7944, 82.8072



31.3223, 26.7944, 76.1940



37.4605, 26.7944, 55.2663

Triad

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



31.3223, 26.7944, 76.1940



33.4306, 26.7944, 8.2671



14.7551, 26.7944, 26.3032

Complementary

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



31.3223, 26.7944, 76.1940



62.6343, 71.7948, 31.6772

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.



16.3534, 26.7944, 12.9424



31.3223, 26.7944, 76.1940



26.5188, 26.7944, 5.8150

Square

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



31.3223, 26.7944, 76.1940



38.8183, 26.7944, 16.1724



20.3915, 26.7944, 7.0504



15.5933, 26.7944, 47.7562

Rectangle

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



31.3223, 26.7944, 76.1940



39.9021, 26.7944, 39.4322



20.3915, 26.7944, 7.0504



15.0160, 26.7944, 20.8706

Sweetspot

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



31.3233, 26.7954, 76.1947



74.3913, 75.2520, 105.2120



50.0989, 65.0539, 80.2720



15.2510, 15.3016, 22.3996



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.



31.3233, 26.7954, 76.1947



34.1710, 26.9179, 98.0024



39.5881, 30.6576, 76.5045



13.6065, 13.9344, 18.1168



8.1261, 3.3143, 42.5946



0.6089, 0.2618, 3.1504

Inverse Universe

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



43.8270, 33.9634, 26.0762



52.4392, 37.4633, 24.7615



50.7279, 66.4633, 31.2756



14.3890, 14.3728, 14.9828



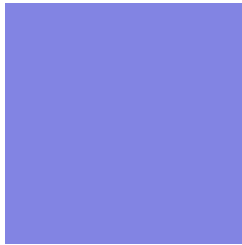
18.4952, 9.5323, 0.9707



1.3710, 0.7061, 0.0942

Previews

White Background



This preview shows how the XYZ color 31.3223, 26.7944, 76.1940 looks on a white background.

Color Contrast Check

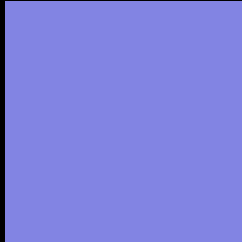
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3223, 26.7944, 76.1940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

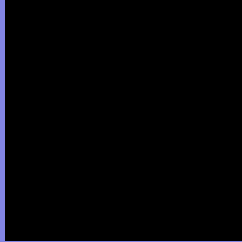
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3223, 26.7944, 76.1940

Background



This preview shows how black text looks on a background with the XYZ color 31.3223, 26.7944, 76.1940.



This preview shows how white text looks on a background with the XYZ color 31.3223, 26.7944,

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

31.3223, 26.7944, 76.1940

Protanopia

29.3900, 26.9437, 80.7424

Deuteranopia

27.7316, 26.8657, 74.9581



Tritanopia

23.3738, 26.8154, 36.7448

Trichromacy



Original Color

31.3223, 26.7944, 76.1940

Protanomaly

30.0380, 26.8886, 79.2081

Deuteranomaly

28.8794, 26.7937, 75.6011

Tritanomaly

25.9325, 26.7286, 49.1398

Monochromacy



Original Color

31.3223, 26.7944, 76.1940

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.1125, 26.5974, 43.2400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3223, 26.7944, 76.1940 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(130, 132, 227)` looks like.

```
.text, #text, p{  
    color:rgb(130, 132, 227)  
}
```

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(130, 132, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 132, 227) }
```

Border

The CSS property to change the border of an element to XYZ 31.3223, 26.7944, 76.1940 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(130, 132, 227) }
```


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

```
.border{ border-color:rgb(130, 132, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 132, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 132, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 132, 227);  
box-shadow:4px 4px 4px 4px rgb(130, 132,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3223, 26.7944, 76.1940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 132, 227) }
```

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

```
.background{ background-color: rgb(130,  
132, 227) }
```

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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