

Converting Colors

XYZ(31.2945, 25.8540, 77.8393)

Have a look what the booklet for
XYZ(31.2945, 25.8540, 77.8393)
contains.

| | |
|--|----|
| XYZ(31.3622, 25.9768, 78.2240) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(31.3622, 25.9768,
78.2240)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8380E6 |
| RGB | 131, 128, 230 |
| RGB Percent | 51%, 50%, 90% |
| CMY | 0.4863, 0.4980, 0.0980 |
| CMYK | 0.43, 0.44, 0.00, 0.10 |
| HSL | 242°, 67%, 70% |
| HSV | 242°, 44%, 90% |
| XYZ | 31.3622, 25.9768, 78.2240 |
| YIQ | 140.5250, -30.9540, 32.3580 |

Conversions

Conversions Part 2

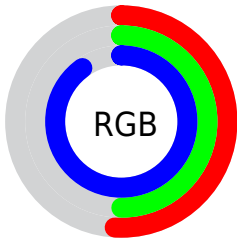
| Format | Color |
|-------------------------------------|--|
| RYB | 131, 128, 230 |
| Decimal | 8618214 |
| CIELab | 58.02, 26.48, -51.51 |
| CIELCh | 58, 57.920, 297.204 |
| Yxy | 25.9768, 0.2313, 0.1916 |
| Android (android.graphics.Color) | 4286808294 (0xFF8380E6) |
| YUV | 140.5250, 44.1112, -8.3534 |
| Hunter-Lab | 50.9674, 20.6448, -55.3201 |

Details

The XYZ color **31.3622, 25.9768, 78.2240** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **63.8714, 74.4832, 31.4330**, and the grayscale version is **24.9746, 26.2752, 28.6137**.

A 20% lighter version of the original color is **55.3129, 50.9591, 101.5285**, and **13.2600, 10.1038, 41.2957** is the 20% darker color. If you saturate the color by 10%, you get **25.6024, 19.0478, 77.1907**, and if you desaturate by 10%, it is **38.5488, 34.6513, 79.5201**.

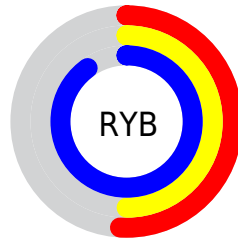
Distribution



Red (51%)

Green (50%)

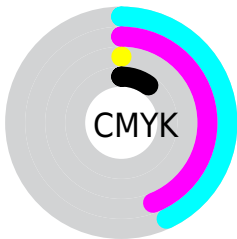
Blue (90%)



Red (51%)

Yellow (50%)

Blue (90%)

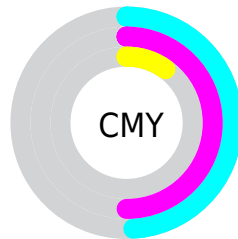


Cyan (43%)

Magenta (44%)

Yellow (0%)

Black (10%)



Cyan (49%)

Magenta (50%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3622, 25.9768, 78.2240 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 31.3622, 25.9768, 78.2240 by changing the saturation by 10% instead.

■ 31.3622, 25.9768,
78.2240

■ 31.3622, 25.9768,
78.2240

300.0007,
282.6682, 508.4753

■ 21.0280, 16.8063,
57.7405

■ 61.1818, 53.2375,
132.6546

■ 13.2570, 10.0965,
41.1867

■ 81.3980, 72.0965,
167.4387

■ 7.6840, 5.4630,
28.1442

■ 105.6388, 94.9538,
207.8268

■ 3.9435, 2.5214,
18.1944

134.2697,
122.1937, 254.2374

■ 1.6702, 0.8873,
10.9188

167.6559,
154.2007, 307.0889

■ 0.4375, 0.0000,
5.8988

206.1630,

■ 0.0000, 0.0000,

191.3592, 366.8001

2.7158

250.1561,
234.0536, 433.7894

■ 0.0000, 0.0000,
0.9514

■ 0.0000, 0.0000,
0.0000

■ 31.3622, 25.9768,
78.2240

■ 31.3622, 25.9768,
78.2240

■ 25.6024, 19.0478,
77.1907

■ 38.5488, 34.6513,
79.5201

■ 21.1713, 13.7436,
76.4004

■ 47.2451, 45.1755,
81.0931

■ 17.9638, 9.9325,
75.8338

■ 57.5315, 57.6489,
82.9586

■ 15.8571, 7.4613,
75.4679

■ 69.4818, 72.1627,
85.1302

■ 14.7032, 6.1435,
75.2743

■ 83.1653, 88.8028,
87.6208

■ 14.3678, 5.7569,
75.2174

■ 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.



24.0400, 25.9768, 86.8246



31.3622, 25.9768, 78.2240



37.8071, 25.9768, 54.6932

Triad

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



31.3622, 25.9768, 78.2240



32.7137, 25.9768, 6.6912



13.5470, 25.9768, 26.4470

Complementary

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



31.3622, 25.9768, 78.2240



63.8714, 74.4832, 31.4330

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.



15.0235, 25.9768, 12.1321



31.3622, 25.9768, 78.2240



25.3520, 25.9768, 4.6207

Square

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



31.3622, 25.9768, 78.2240



38.6853, 25.9768, 14.0784



19.0386, 25.9768, 5.9980



14.5574, 25.9768, 49.7967

Rectangle

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



31.3622, 25.9768, 78.2240



40.2623, 25.9768, 37.7003



19.0386, 25.9768, 5.9980



13.7613, 25.9768, 20.5833

Sweetspot

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



31.3632, 25.9777, 78.2246



74.5093, 75.0432, 105.1655



51.0116, 65.9550, 84.9055



15.2796, 15.2510, 22.3884



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.



31.3632, 25.9777, 78.2246



33.0359, 24.8892, 97.6707



40.9885, 30.9397, 78.6751



13.6219, 13.9073, 18.1108



8.1520, 3.2684, 42.5844



0.6163, 0.2487, 3.1475

Inverse Universe

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



54.2176, 37.8079, 77.1117



65.3544, 41.6233, 95.8740



50.3936, 67.5351, 30.8023



14.9758, 14.6075, 18.0731



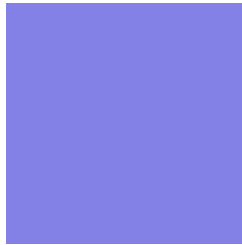
26.0416, 12.5509, 40.7097



1.9302, 0.9298, 3.0389

Previews

White Background



This preview shows how the XYZ color 31.3622, 25.9768, 78.2240 looks on a white background.

Color Contrast Check

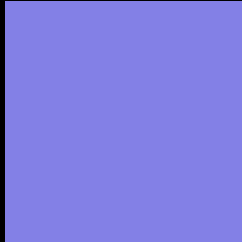
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3622, 25.9768, 78.2240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

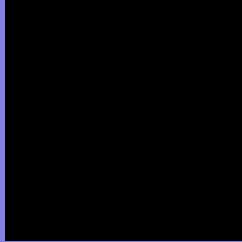
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3622, 25.9768, 78.2240

Background



This preview shows how black text looks on a background with the XYZ color 31.3622, 25.9768, 78.2240.



This preview shows how white text looks on a background with the XYZ color 31.3622, 25.9768,

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

31.3622, 25.9768, 78.2240

Protanopia

28.8095, 26.1556, 83.6509

Deuteranopia

26.8994, 26.1870, 76.3099



Tritanopia

22.8082, 26.0958, 35.2874

Trichromacy



Original Color

31.3622, 25.9768, 78.2240

Protanomaly

29.4232, 25.9037, 81.2911

Deuteranomaly

28.1746, 25.9765, 76.9278

Tritanomaly

25.3876, 25.8061, 48.4427

Monochromacy



Original Color

31.3622, 25.9768, 78.2240

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.6635, 25.9438, 43.1375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3622, 25.9768, 78.2240 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(131, 128, 230)` looks like.

```
.text, #text, p{  
    color:rgb(131, 128, 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(131, 128, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 128, 230) }
```

Border

The CSS property to change the border of an element to XYZ 31.3622, 25.9768, 78.2240 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(131, 128, 230) }
```


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

```
.border{ border-color:rgb(131, 128, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 128, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 128, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 128, 230);  
box-shadow:4px 4px 4px 4px rgb(131, 128,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3622, 25.9768, 78.2240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 128, 230) }
```

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

```
.background{ background-color: rgb(131,  
128, 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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