

Converting Colors

XYZ(31.2812, 25.5028, 67.5646)

Have a look what the booklet for
XYZ(31.2812, 25.5028, 67.5646)
contains.

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Color

**XYZ(31.2764, 25.5933,
67.5815)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 917DD7 |
| RGB | 145, 125, 215 |
| RGB Percent | 57%, 49%, 84% |
| CMY | 0.4314, 0.5098, 0.1569 |
| CMYK | 0.33, 0.42, 0.00, 0.16 |
| HSL | 253°, 53%, 67% |
| HSV | 253°, 42%, 84% |
| XYZ | 31.2764, 25.5933, 67.5815 |
| YIQ | 141.2400, -16.9700, 32.2300 |

Conversions

Conversions Part 2

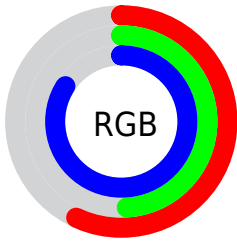
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 145, 125, 215 |
| Decimal | 9534935 |
| CIE Lab | 57.65, 27.74, -43.62 |
| CIE LCh | 58, 51.695, 302.454 |
| Yxy | 25.5933, 0.2513, 0.2056 |
| Android (android.graphics.Color) | 4287725015 (0xFF917DD7) |
| YUV | 141.2400, 36.3637, 3.2975 |
| Hunter-Lab | 50.5898, 21.8228, -43.7909 |

Details

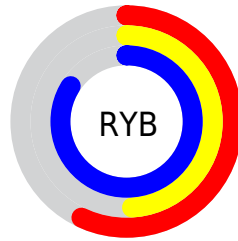
The XYZ color **31.2764, 25.5933, 67.5815** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **50.5082, 61.6841, 28.6471**, and the grayscale version is **25.2789, 26.5954, 28.9624**.

A 20% lighter version of the original color is **58.0578, 51.4783, 101.4841**, and **13.2440, 9.9311, 34.4766** is the 20% darker color. If you saturate the color by 10%, you get **26.1106, 19.3181, 66.6430**, and if you desaturate by 10%, it is **37.4669, 33.2721, 68.7378**.

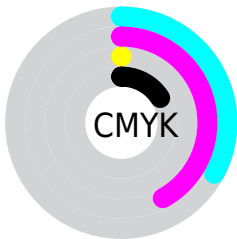
Distribution



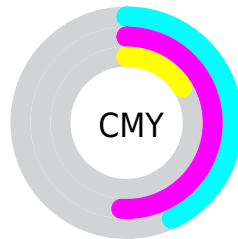
- Red (57%)
- Green (49%)
- Blue (84%)



- Red (57%)
- Yellow (49%)
- Blue (84%)



- Cyan (33%)
- Magenta (42%)
- Yellow (0%)
- Black (16%)



- Cyan (43%)
- Magenta (51%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2764, 25.5933, 67.5815 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 31.2764, 25.5933, 67.5815 by changing the saturation by 10% instead.

■ 31.2764, 25.5933,
67.5815

■ 31.2764, 25.5933,
67.5815

299.6139,
280.7799, 470.5696

■ 20.9623, 16.5196,
49.0928

■ 61.0479, 52.6181,
117.4018

■ 13.2087, 9.8926,
34.3270

■ 81.2359, 71.3380,
149.5704

■ 7.6504, 5.3278,
22.8655

■ 105.4460, 94.0422,
187.1362

■ 3.9220, 2.4409,
14.2899

134.0434,
121.1149, 230.5175

■ 1.6581, 0.8468,
8.1815

167.3935,
152.9407, 280.1329

■ 0.4298, 0.0000,
4.1219

205.8617,

■ 0.0000, 0.0000,

189.9038, 336.4011

1.6924

249.8134,
232.3887, 399.7404

■ 0.0000, 0.0000,
0.3555

■ 0.0000, 0.0000,
0.0000

■ 31.2764, 25.5933,
67.5815

■ 31.2764, 25.5933,
67.5815

■ 26.1106, 19.3181,
66.6430

■ 37.4669, 33.2721,
68.7378

■ 21.9094, 14.3572,
65.9069

■ 44.7319, 42.4306,
70.1227

■ 18.6105, 10.6151,
65.3585

■ 53.1212, 53.1429,
71.7482

■ 16.1427, 7.9821,
64.9803

■ 62.6809, 65.4773,
73.6252

■ 14.4229, 6.3276,
64.7516

■ 73.4541, 79.4977,
75.7636

■ 13.4744, 5.5294,
64.6475

■ 85.4820, 95.2648,
78.1730

■ 89.2658, 97.6863,
78.4409

Harmonies

Analogous

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



24.8381, 25.5933, 77.5758



31.2764, 25.5933, 67.5815



36.4570, 25.5933, 46.7556

Triad

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



31.2764, 25.5933, 67.5815



30.2457, 25.5933, 7.2722



14.2796, 25.5933, 29.3497

Complementary

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



31.2764, 25.5933, 67.5815



50.5082, 61.6841, 28.6471

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.



15.2370, 25.5933, 14.9045



31.2764, 25.5933, 67.5815



23.8203, 25.5933, 5.8187

Square

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



31.2764, 25.5933, 67.5815



35.7946, 25.5933, 13.3024



18.4895, 25.5933, 7.8837



15.6126, 25.5933, 50.4112

Rectangle

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



31.2764, 25.5933, 67.5815



38.1109, 25.5933, 32.5793



18.4895, 25.5933, 7.8837



14.3442, 25.5933, 23.6321

Sweetspot

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



31.2774, 25.5943, 67.5821



76.5138, 76.0766, 105.2593



40.3512, 48.5217, 71.5293



15.7671, 15.5024, 22.4112



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.



31.2774, 25.5943, 67.5821



39.3824, 29.5796, 98.2415



40.7106, 30.4573, 68.0236



11.9982, 12.1404, 15.6485



8.1345, 3.3460, 38.6703



0.5631, 0.2392, 2.3358

Inverse Universe

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



45.2089, 33.0552, 55.6275



62.7131, 42.0958, 77.2513



40.6727, 56.6137, 28.1868



12.8294, 12.5833, 15.0419



20.9874, 10.3313, 23.0356



1.2957, 0.6351, 1.5463

Previews

White Background



This preview shows how the XYZ color 31.2764, 25.5933, 67.5815 looks on a white background.

Color Contrast Check

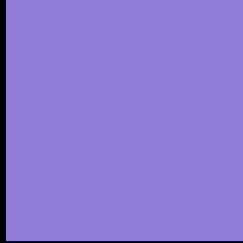
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2764, 25.5933, 67.5815 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 31.2764, 25.5933, 67.5815

Background



This preview shows how black text looks on a background with the XYZ color 31.2764, 25.5933, 67.5815.



This preview shows how white text looks on a background with the XYZ color 31.2764, 25.5933,

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

31.2764, 25.5933, 67.5815

Protanopia

27.9676, 25.9332, 74.0526

Deuteranopia

26.4516, 25.7552, 65.8645



Tritanopia

24.2534, 25.5728, 32.5119

Trichromacy



Original Color

31.2764, 25.5933, 67.5815

Protanomaly

28.9102, 25.6449, 71.8328

Deuteranomaly

27.8690, 25.4307, 66.3906

Tritanomaly

26.4816, 25.4246, 43.5561

Monochromacy



Original Color

31.2764, 25.5933, 67.5815

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.8872, 25.9059, 40.6290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2764, 25.5933, 67.5815 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(145, 125, 215)` looks like.

```
.text, #text, p{  
    color:rgb(145, 125, 215)  
}
```

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(145, 125, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 125, 215) }
```

Border

The CSS property to change the border of an element to XYZ 31.2764, 25.5933, 67.5815 is called "border". The border property can be set on classes, ids or directly on the HTML element.

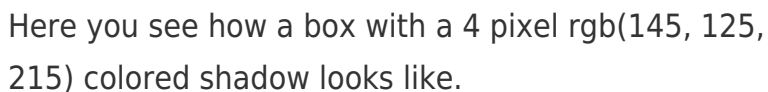
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 125, 215) }
```


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

```
.border{ border-color:rgb(145, 125, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(145, 125, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 125, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 125, 215); box-shadow:4px 4px 4px 4px rgb(145, 125, 215) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2764, 25.5933, 67.5815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 125, 215) }
```

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

```
.background{ background-color: rgb(145,  
125, 215) }
```

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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