

Converting Colors

XYZ(31.2544, 22.3459, 65.8514)

Have a look what the booklet for
XYZ(31.2544, 22.3459, 65.8514)
contains.

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Color

**XYZ(31.2648, 22.3813,
65.6230)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 9E6AD5 |
| RGB | 158, 106, 213 |
| RGB Percent | 62%, 42%, 84% |
| CMY | 0.3804, 0.5843, 0.1647 |
| CMYK | 0.26, 0.50, 0.00, 0.16 |
| HSL | 269°, 56%, 63% |
| HSV | 269°, 50%, 84% |
| XYZ | 31.2648, 22.3813, 65.6230 |
| YIQ | 133.7460, -3.3550, 44.3010 |

Conversions

Conversions Part 2

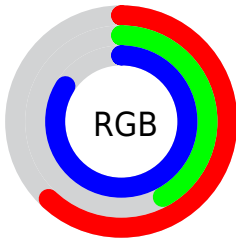
| Format | Color |
|-------------------------------------|--|
| RYB | 158, 106, 213 |
| Decimal | 10382037 |
| CIELab | 54.43, 41.58, -47.51 |
| CIELCh | 54, 63.132, 311.190 |
| Yxy | 22.3813, 0.2621, 0.1877 |
| Android (android.graphics.Color) | 4288572117 (0xFF9E6AD5) |
| YUV | 133.7460, 39.0722, 21.2708 |
| Hunter-Lab | 47.3089, 35.1739, -49.1260 |

Details

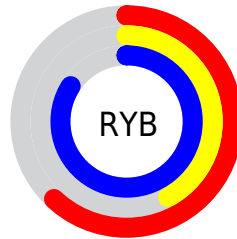
The XYZ color **31.2648, 22.3813, 65.6230** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **41.0943, 56.2067, 22.3196**, and the grayscale version is **22.4299, 23.5980, 25.6982**.

A 20% lighter version of the original color is **58.4725, 46.4633, 100.4942**, and **13.1792, 8.1805, 33.2321** is the 20% darker color. If you saturate the color by 10%, you get **27.2778, 17.4625, 64.8841**, and if you desaturate by 10%, it is **35.9905, 28.4909, 66.5536**.

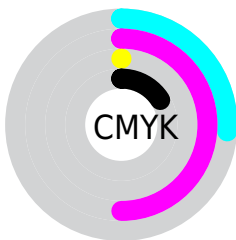
Distribution



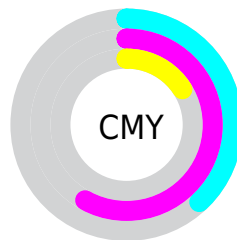
- Red (62%)
- Green (42%)
- Blue (84%)



- Red (62%)
- Yellow (42%)
- Blue (84%)



- Cyan (26%)
- Magenta (50%)
- Yellow (0%)
- Black (16%)



- Cyan (38%)
- Magenta (58%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2648, 22.3813, 65.6230 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 31.2648, 22.3813, 65.6230 by changing the saturation by 10% instead.

■ 31.2648, 22.3813,
65.6230

■ 31.2648, 22.3813,
65.6230

299.5615,
264.5311, 463.3947

■ 20.9534, 14.1373,
47.5119

■ 61.0297, 47.3754,
114.5669

■ 13.2022, 8.2163,
33.0833

■ 81.2140, 64.8943,
146.2368

■ 7.6459, 4.2336,
21.9186

■ 105.4199, 86.2737,
183.2633

■ 3.9191, 1.8051,
13.5994

■ 134.0128,
111.8979, 226.0650

■ 1.6565, 0.4903,
7.7070

167.3580,
142.1514, 275.0605

■ 0.4288, 0.0000,
3.8230

205.8210,

■ 0.0000, 0.0000,

177.4185, 330.6682

1.5287

249.7671,
218.0836, 393.3068

■ 0.0000, 0.0000,
0.2392

■ 0.0000, 0.0000,
0.0000

■ 31.2648, 22.3813,
65.6230

■ 31.2648, 22.3813,
65.6230

■ 27.2778, 17.4625,
64.8841

■ 35.9905, 28.4909,
66.5536

■ 23.9807, 13.6470,
64.3214

■ 41.4941, 35.8649,
67.6869

■ 21.3223, 10.8391,
63.9196

■ 47.8146, 44.5740,
69.0348

■ 19.2414, 8.9246,
63.6597

■ 54.9876, 54.6827,
70.6079

■ 17.6631, 7.7183,
63.5100

■ 63.0465, 66.2512,
72.4161

■ 72.0228, 79.3363,
74.4686

■ 81.9132, 93.9254,
76.7633

■ 85.6329, 95.8430,
76.9374

■ 89.0103, 97.5841,
77.0955

Harmonies

Analogous

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



23.9538, 22.3813, 83.9068



31.2648, 22.3813, 65.6230



36.4712, 22.3813, 38.7939

Triad

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



31.2648, 22.3813, 65.6230



25.8453, 22.3813, 3.1921



10.7287, 22.3813, 32.5152

Complementary

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



31.2648, 22.3813, 65.6230



41.0943, 56.2067, 22.3196

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.



11.0205, 22.3813, 14.0537



31.2648, 22.3813, 65.6230



18.7997, 22.3813, 2.8666

Square

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



31.2648, 22.3813, 65.6230



32.9047, 22.3813, 6.9302



13.6748, 22.3813, 5.4976



12.7668, 22.3813, 58.9500

Rectangle

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



31.2648, 22.3813, 65.6230



37.4918, 22.3813, 23.5883



13.6748, 22.3813, 5.4976



10.5714, 22.3813, 25.1676

Sweetspot

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



31.2657, 22.3822, 65.6235



77.1714, 74.4368, 104.9081



30.7493, 33.4580, 67.7886



16.0324, 15.2498, 22.3485



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.



31.2657, 22.3822, 65.6235



40.7864, 25.9944, 97.4755



44.0910, 28.9938, 66.2237



12.3113, 12.3019, 15.6631



10.9064, 4.7749, 38.8000



0.7532, 0.3372, 2.3447

Inverse Universe

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



39.0283, 27.0282, 36.8788



54.2954, 34.0844, 47.2422



32.5545, 51.8043, 21.9199



12.6871, 12.5263, 14.2923



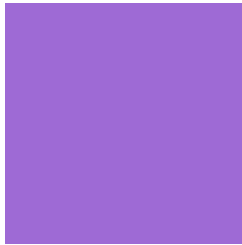
18.5159, 9.3427, 10.0208



1.1586, 0.5802, 0.8244

Previews

White Background



This preview shows how the XYZ color 31.2648, 22.3813, 65.6230 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 31.2648, 22.3813, 65.6230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

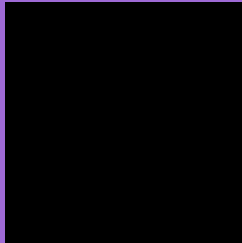
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2648, 22.3813, 65.6230

Background



This preview shows how black text looks on a background with the XYZ color 31.2648, 22.3813, 65.6230.



This preview shows how white text looks on a background with the XYZ color 31.2648, 22.3813,

65.6230.

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

31.2648, 22.3813, 65.6230

Protanopia

25.6056, 22.7674, 80.1358

Deuteranopia

23.3392, 22.7651, 62.8385



Tritanopia

23.2084, 22.3458, 26.0116

Trichromacy



Original Color

31.2648, 22.3813, 65.6230

Protanomaly

26.5086, 21.8728, 74.7762

Deuteranomaly

25.2745, 22.0170, 63.8904

Tritanomaly

25.4837, 21.9908, 37.5518

Monochromacy



Original Color

31.2648, 22.3813, 65.6230

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.1462, 22.8993, 37.7450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2648, 22.3813, 65.6230 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(158, 106, 213)` looks like.

```
.text, #text, p{  
    color:rgb(158, 106, 213)  
}
```

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(158, 106, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 106, 213) }
```

Border

The CSS property to change the border of an element to XYZ 31.2648, 22.3813, 65.6230 is called "border". The border property can be set on classes, ids or directly on the HTML element.

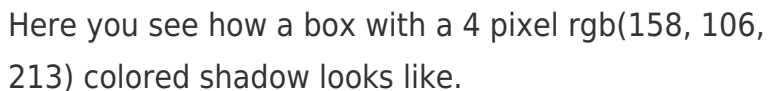
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 106, 213) }
```


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

```
.border{ border-color:rgb(158, 106, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 106, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 106, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 106, 213); box-shadow:4px 4px 4px 4px rgb(158, 106, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2648, 22.3813, 65.6230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 106, 213) }
```

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

```
.background{ background-color: rgb(158,  
106, 213) }
```

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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