

Converting Colors

XYZ(31.0474, 21.4588, 69.1982)

Have a look what the booklet for
XYZ(31.0474, 21.4588, 69.1982)
contains.

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Color

**XYZ(31.1502, 21.4898,
69.5240)**

Conversions

Conversions Part 1

Format	Color
Hex	9C65DB
RGB	156, 101, 219
RGB Percent	61%, 40%, 86%
CMY	0.3882, 0.6039, 0.1412
CMYK	0.29, 0.54, 0.00, 0.14
HSL	268°, 62%, 63%
HSV	268°, 54%, 86%
XYZ	31.1502, 21.4898, 69.5240
YIQ	130.8970, -5.0980, 48.3580

Conversions

Conversions Part 2

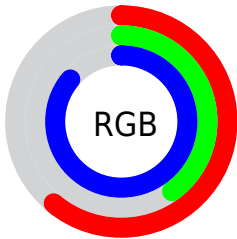
Format	Color
R _Y B	156, 101, 219
Decimal	10249691
CIE _{Lab}	53.48, 45.24, -52.43
CIE _{LCh}	53, 69.247, 310.792
Yxy	21.4898, 0.2550, 0.1759
Android (android.graphics.Color)	4288439771 (0xFF9C65DB)
YUV	130.8970, 43.4348, 22.0153
Hunter-Lab	46.3571, 38.8203, -56.4702

Details

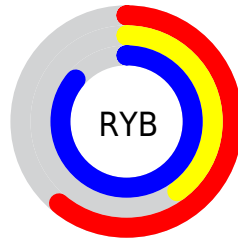
The XYZ color **31.1502, 21.4898, 69.5240** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **42.9907, 59.4955, 21.5306**, and the grayscale version is **21.3888, 22.5027, 24.5055**.

A 20% lighter version of the original color is **57.0462, 44.4773, 100.1861**, and **13.1615, 7.7787, 35.4581** is the 20% darker color. If you saturate the color by 10%, you get **27.1456, 16.6786, 68.8068**, and if you desaturate by 10%, it is **35.9408, 27.5477, 70.4412**.

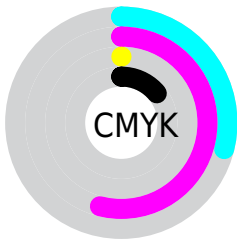
Distribution



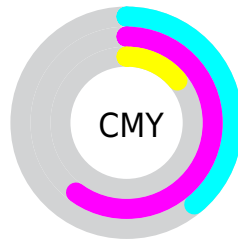
- Red (61%)
- Green (40%)
- Blue (86%)



- Red (61%)
- Yellow (40%)
- Blue (86%)



- Cyan (29%)
- Magenta (54%)
- Yellow (0%)
- Black (14%)



- Cyan (39%)
- Magenta (60%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1502, 21.4898, 69.5240 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 31.1502, 21.4898, 69.5240 by changing the saturation by 10% instead.

■ 31.1502, 21.4898,
69.5240

■ 31.1502, 21.4898,
69.5240

299.0442,
259.8702, 477.6208

■ 20.8656, 13.4825,
50.6642

■ 60.8507, 45.9013,
120.2044

■ 13.1377, 7.7616,
35.5665

■ 80.9974, 63.0743,
152.8621

■ 7.6011, 3.9428,
23.8126

■ 105.1621, 84.0712,
190.9562

■ 3.8904, 1.6416,
14.9837

■ 133.7102,
109.2766, 234.9051

■ 1.6403, 0.3854,
8.6615

167.0072,
139.0748, 285.1275

■ 0.4185, 0.0000,
4.4273

205.4182,

■ 0.0000, 0.0000,

173.8502, 342.0419

1.8625

249.3088,
213.9872, 406.0668

■ 0.0000, 0.0000,
0.4687

■ 0.0000, 0.0000,
0.0000

■ 31.1502, 21.4898,
69.5240

■ 31.1502, 21.4898,
69.5240

■ 27.1456, 16.6786,
68.8068

■ 35.9408, 27.5477,
70.4412

■ 23.8722, 13.0164,
68.2725

■ 41.5616, 34.9350,
71.5708

■ 21.2711, 10.3941,
67.9034

■ 48.0565, 43.7299,
72.9261

■ 19.2709, 8.6788,
67.6777

■ 55.4650, 54.0036,
74.5187

■ 18.2747, 7.9439,
67.5884

■ 63.8244, 65.8225,
76.3594

■ 73.1694, 79.2489,
78.4584

■ 83.5333, 94.3416,
80.8253

■ 87.8061, 96.8737,
81.0889

■ 89.7863, 97.8945,
81.1815

Harmonies

Analogous

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



23.1947, 21.4898, 90.1740



31.1502, 21.4898, 69.5240



36.9387, 21.4898, 39.4484

Triad

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



31.1502, 21.4898, 69.5240



25.4504, 21.4898, 2.1916



9.4296, 21.4898, 31.8481

Complementary

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



31.1502, 21.4898, 69.5240



42.9907, 59.4955, 21.5306

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.



9.7547, 21.4898, 12.4268



31.1502, 21.4898, 69.5240



17.8858, 21.4898, 1.8888

Square

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



31.1502, 21.4898, 69.5240



33.1392, 21.4898, 5.6405



12.4970, 21.4898, 4.1616



11.4670, 21.4898, 61.1788

Rectangle

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



31.1502, 21.4898, 69.5240



38.1199, 21.4898, 22.8426



12.4970, 21.4898, 4.1616



9.2815, 21.4898, 23.9638

Sweetspot

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



31.1511, 21.4906, 69.5245



75.8225, 72.7747, 104.6584



31.7717, 35.1180, 72.1222



15.7545, 14.9162, 22.2987



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.



31.1511, 21.4906, 69.5245



37.4758, 22.5685, 96.9887



44.9100, 28.5836, 70.1684



12.9128, 12.9131, 16.4640



10.9599, 4.7742, 40.0823



0.8089, 0.3602, 2.6013

Inverse Universe

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



40.5684, 27.0484, 38.2048



52.8432, 31.6504, 45.3077



33.7325, 54.7228, 21.0973



13.3452, 13.1672, 15.0789



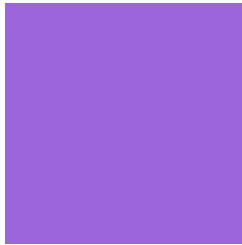
19.2792, 9.7127, 11.1164



1.2924, 0.6466, 0.9487

Previews

White Background



This preview shows how the XYZ color 31.1502, 21.4898, 69.5240 looks on a white background.

Color Contrast Check

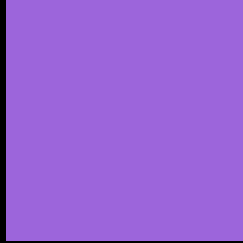
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1502, 21.4898, 69.5240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

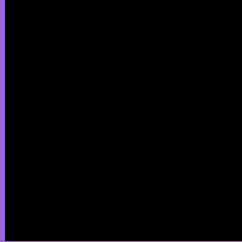
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.1502, 21.4898, 69.5240

Background



This preview shows how black text looks on a background with the XYZ color 31.1502, 21.4898, 69.5240.



This preview shows how white text looks on a background with the XYZ color 31.1502, 21.4898,

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

31.1502, 21.4898, 69.5240

Protanopia

25.2846, 21.8829, 86.8956

Deuteranopia

22.4590, 21.8442, 65.9834



Tritanopia

22.1318, 21.4348, 25.1612

Trichromacy



Original Color

31.1502, 21.4898, 69.5240



Protanomaly

26.0264, 20.9727, 80.5183



Deuteranomaly

24.3421, 20.9247, 67.0459



Tritanomaly

24.6856, 21.0528, 37.8845

Monochromacy



Original Color

31.1502, 21.4898, 69.5240



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

24.1425, 21.6527, 37.5573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1502, 21.4898, 69.5240 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(156, 101, 219)` looks like.

```
.text, #text, p{  
    color:rgb(156, 101, 219)  
}
```

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(156, 101, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 101, 219) }
```

Border

The CSS property to change the border of an element to XYZ 31.1502, 21.4898, 69.5240 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(156, 101, 219) }
```


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

```
.border{ border-color:rgb(156, 101, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 101, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 101, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 101, 219);  
box-shadow:4px 4px 4px 4px rgb(156, 101,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1502, 21.4898, 69.5240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 101, 219) }
```

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

```
.background{ background-color: rgb(156,  
101, 219) }
```

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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