

Converting Colors

XYZ(30.9394, 22.0763, 70.4698)

Have a look what the booklet for
XYZ(30.9394, 22.0763, 70.4698)
contains.

XYZ(31.0212, 22.1508, 70.3507)	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(31.0212, 22.1508,
70.3507)**

Conversions

Conversions Part 1

Format	Color
Hex	986ADC
RGB	152, 106, 220
RGB Percent	60%, 42%, 86%
CMY	0.4039, 0.5843, 0.1373
CMYK	0.31, 0.52, 0.00, 0.14
HSL	264°, 62%, 64%
HSV	264°, 52%, 86%
XYZ	31.0212, 22.1508, 70.3507
YIQ	132.7500, -9.1780, 45.2060

Conversions

Conversions Part 2

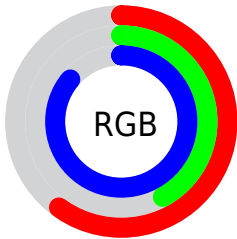
Format	Color
RYB	152, 106, 220
Decimal	9988828
CIELab	54.19, 41.72, -51.89
CIELCh	54, 66.584, 308.802
Yxy	22.1508, 0.2511, 0.1793
Android (android.graphics.Color)	4288178908 (0xFF986ADC)
YUV	132.7500, 43.0142, 16.8822
Hunter-Lab	47.0646, 35.2896, -55.6795

Details

The XYZ color **31.0212, 22.1508, 70.3507** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **45.6506, 61.2261, 23.0481**, and the grayscale version is **22.0555, 23.2041, 25.2693**.

A 20% lighter version of the original color is **56.5714, 45.2290, 100.3562**, and **13.0937, 8.1480, 36.0046** is the 20% darker color. If you saturate the color by 10%, you get **26.7164, 16.9871, 69.5813**, and if you desaturate by 10%, it is **36.1811, 28.6192, 71.3277**.

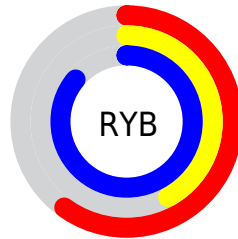
Distribution



Red (60%)

Green (42%)

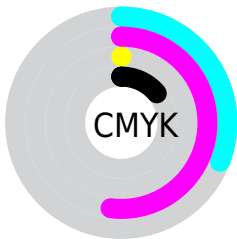
Blue (86%)



Red (60%)

Yellow (42%)

Blue (86%)

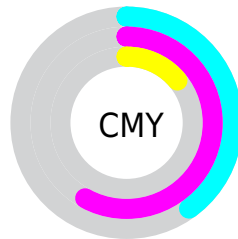


Cyan (31%)

Magenta (52%)

Yellow (0%)

Black (14%)



Cyan (40%)


Magenta (58%)


Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0212, 22.1508, 70.3507 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 31.0212, 22.1508, 70.3507 by changing the saturation by 10% instead.


 31.0212, 22.1508,
70.3507


 31.0212, 22.1508,
70.3507


298.4611,
263.3328, 480.6028


 20.7669, 13.9677,
51.3339

 60.6491, 46.9951,
121.3945


 13.0652, 8.0982,
36.0959


 80.7533, 64.4252,
154.2587

 7.5508, 4.1579,
24.2180

 104.8716, 85.7063,
192.5757

 3.8582, 1.7623,
15.2817

 133.3693,
111.2230, 236.7641

 1.6223, 0.4635,
8.8685

166.6118,
141.3596, 287.2425

 0.4068, 0.0000,
4.5599

204.9643,

 0.0000, 0.0000,

176.5005, 344.4294

1.9372

248.7923,
217.0301, 408.7433

■ 0.0000, 0.0000,
0.5163

■ 0.0000, 0.0000,
0.0000

■ 31.0212, 22.1508,
70.3507

■ 31.0212, 22.1508,
70.3507

■ 26.7164, 16.9871,
69.5813

■ 36.1811, 28.6192,
71.3277

■ 23.2096, 13.0301,
69.0024

■ 42.2422, 36.4753,
72.5246

■ 20.4404, 10.1716,
68.5966

■ 49.2506, 45.7979,
73.9547

■ 18.3365, 8.2816,
68.3427

■ 57.2481, 56.6594,
75.6296

■ 17.0166, 7.2800,
68.2189

■ 66.2737, 69.1268,
77.5604

■ 76.3644, 83.2636,
79.7572

■ 85.9384, 95.8956,
81.6908

■ 89.9184, 97.9473,
81.8771

Harmonies

Analogous

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



23.2532, 22.1508, 88.7322



31.0212, 22.1508, 70.3507



36.8557, 22.1508, 41.5685

Triad

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



31.0212, 22.1508, 70.3507



26.4910, 22.1508, 2.7857



10.0874, 22.1508, 30.7377

Complementary

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



31.0212, 22.1508, 70.3507



45.6506, 61.2261, 23.0481

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.



10.5706, 22.1508, 12.3968



31.0212, 22.1508, 70.3507



18.9974, 22.1508, 2.2906

Square

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



31.0212, 22.1508, 70.3507



33.8516, 22.1508, 6.7841



13.4889, 22.1508, 4.4947



11.9721, 22.1508, 58.6561

Rectangle

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



31.0212, 22.1508, 70.3507



38.2344, 22.1508, 24.9606



13.4889, 22.1508, 4.4947



9.9894, 22.1508, 23.2955

Sweetspot

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



31.0221, 22.1516, 70.3512



74.9937, 72.3474, 104.6196



34.0762, 38.6591, 73.3765



15.5576, 14.8147, 22.2895



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.



31.0221, 22.1516, 70.3512



36.9523, 23.2965, 97.1568



44.2543, 28.9731, 70.9705



12.8336, 12.8723, 16.4603



10.1052, 4.3336, 40.0423



0.7505, 0.3302, 2.5986

Inverse Universe

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



42.3097, 28.5803, 43.3311



54.9319, 33.5615, 52.9905



35.5853, 56.0372, 22.5771



13.3804, 13.1813, 15.2644



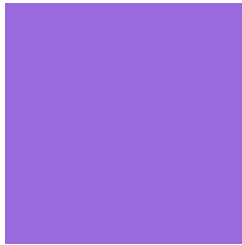
19.7920, 9.9178, 13.8165



1.3245, 0.6594, 1.1175

Previews

White Background



This preview shows how the XYZ color 31.0212, 22.1508, 70.3507 looks on a white background.

Color Contrast Check

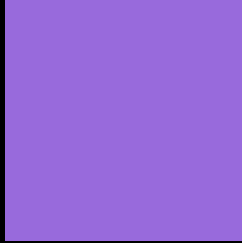
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0212, 22.1508, 70.3507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

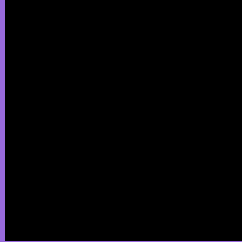
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0212, 22.1508, 70.3507

Background



This preview shows how black text looks on a background with the XYZ color 31.0212, 22.1508, 70.3507.



This preview shows how white text looks on a background with the XYZ color 31.0212, 22.1508,

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

31.0212, 22.1508, 70.3507

Protanopia

25.7876, 22.5526, 85.4320

Deuteranopia

23.0724, 22.3274, 67.3836



Tritanopia

22.2581, 22.2191, 26.7825

Trichromacy



Original Color

31.0212, 22.1508, 70.3507

Protanomaly

26.5603, 21.7862, 79.8961

Deuteranomaly

24.8412, 21.5093, 68.4881

Tritanomaly

24.7272, 21.7345, 39.4511

Monochromacy



Original Color

31.0212, 22.1508, 70.3507

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.6897, 22.4580, 38.6308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0212, 22.1508, 70.3507 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(152, 106, 220)` looks like.

```
.text, #text, p{  
    color:rgb(152, 106, 220)  
}
```

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(152, 106, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 106, 220) }
```

Border

The CSS property to change the border of an element to XYZ 31.0212, 22.1508, 70.3507 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(152, 106, 220) }
```


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

```
.border{ border-color:rgb(152, 106, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 106, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 106, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 106, 220);  
box-shadow:4px 4px 4px 4px rgb(152, 106,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0212, 22.1508, 70.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 106, 220) }
```

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

```
.background{ background-color: rgb(152,  
106, 220) }
```

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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