

Converting Colors

XYZ(31.2895, 28.2924, 64.1984)

Have a look what the booklet for
XYZ(31.2895, 28.2924, 64.1984)
contains.

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Color

**XYZ(31.2446, 28.2694,
64.1314)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8AD1
RGB	139, 138, 209
RGB Percent	55%, 54%, 82%
CMY	0.4549, 0.4588, 0.1804
CMYK	0.33, 0.34, 0.00, 0.18
HSL	241°, 44%, 68%
HSV	241°, 34%, 82%
XYZ	31.2446, 28.2694, 64.1314
YIQ	146.3930, -22.1950, 22.2930

Conversions

Conversions Part 2

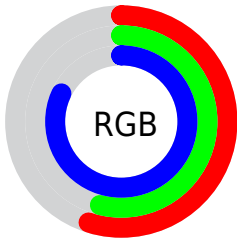
Format	Color
RYB	139, 138, 209
Decimal	9145041
CIELab	60.13, 16.92, -36.39
CIELCh	60, 40.131, 294.944
Yxy	28.2694, 0.2527, 0.2286
Android (android.graphics.Color)	4287335121 (0xFF8B8AD1)
YUV	146.3930, 30.8653, -6.4837
Hunter-Lab	53.1690, 11.8493, -34.2962

Details

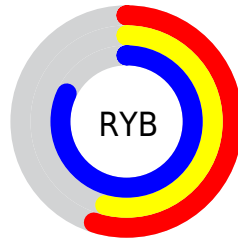
The XYZ color **31.2446, 28.2694, 64.1314** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.4008, 60.8463, 32.9758**, and the grayscale version is **27.3674, 28.7927, 31.3552**.

A 20% lighter version of the original color is **58.9289, 55.9509, 102.3015**, and **13.1602, 11.2910, 32.0576** is the 20% darker color. If you saturate the color by 10%, you get **25.4073, 21.2295, 63.0807**, and if you desaturate by 10%, it is **38.3093, 36.7997, 65.4061**.

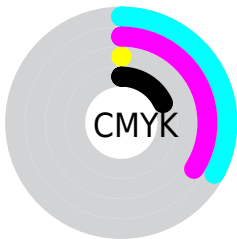
Distribution



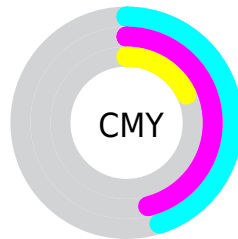
- Red (55%)
- Green (54%)
- Blue (82%)



- Red (55%)
- Yellow (54%)
- Blue (82%)



- Cyan (33%)
- Magenta (34%)
- Yellow (0%)
- Black (18%)



- Cyan (45%)
- Magenta (46%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2446, 28.2694, 64.1314 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 31.2446, 28.2694, 64.1314 by changing the saturation by 10% instead.

■ 31.2446, 28.2694,
64.1314

■ 31.2446, 28.2694,
64.1314

299.4704,
293.7520, 457.8845

■ 20.9379, 18.5288,
46.3102

■ 60.9982, 56.9143,
112.4014

■ 13.1908, 11.3303,
32.1403

■ 81.1758, 76.5874,
143.6874

■ 7.6380, 6.2895,
21.2030

■ 105.3744,
100.3401, 180.2987

■ 3.9140, 3.0219,
13.0798

133.9595,
128.5568, 222.6539

■ 1.6536, 1.1432,
7.3521

167.2962,
161.6220, 271.1716

■ 0.4270, 0.0145,
3.6015

205.7500,

■ 0.0000, 0.0000,

199.9200, 326.2702

1.4094

249.6863,
243.8352, 388.3683

■ 0.0000, 0.0000,
0.1490

■ 0.0000, 0.0000,
0.0000

■ 31.2446, 28.2694,
64.1314

■ 31.2446, 28.2694,
64.1314

■ 25.4073, 21.2295,
63.0807

■ 38.3093, 36.7997,
65.4061

■ 20.7247, 15.5914,
62.2393

■ 46.6626, 46.8955,
66.9145

■ 17.1210, 11.2623,
61.5936

■ 56.3652, 58.6310,
68.6683

■ 14.5103, 8.1370,
61.1280

■ 67.4732, 72.0744,
70.6777

■ 12.7933, 6.0939,
60.8241

■ 80.0394, 87.2904,
72.9523

■ 11.8507, 4.9860,
60.6599

■ 88.5087, 97.3835,
74.4541

■ 11.5456, 4.6225,
60.6058

Harmonies

Analogous

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



26.0097, 28.2694, 68.3367



31.2446, 28.2694, 64.1314



35.7735, 28.2694, 50.0110

Triad

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



31.2446, 28.2694, 64.1314



32.9384, 28.2694, 12.9715



18.1974, 28.2694, 28.3587

Complementary

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



31.2446, 28.2694, 64.1314



53.4008, 60.8463, 32.9758

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.



19.5806, 28.2694, 17.2455



31.2446, 28.2694, 64.1314



27.7475, 28.2694, 10.3534

Square

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



31.2446, 28.2694, 64.1314



36.8353, 28.2694, 20.3436



22.9227, 28.2694, 11.6225



18.8854, 28.2694, 44.2878

Rectangle

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



31.2446, 28.2694, 64.1314



37.5571, 28.2694, 38.7123



22.9227, 28.2694, 11.6225



18.4298, 28.2694, 24.0137

Sweetspot

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



31.2456, 28.2705, 64.1321



78.7959, 80.3355, 105.9610



44.7911, 55.6083, 68.6949



16.4148, 16.6500, 22.5986



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.



31.2456, 28.2705, 64.1321



41.9629, 35.8446, 99.3148



37.9424, 31.7228, 64.4455



11.1789, 11.4255, 14.8598



7.1256, 2.8537, 37.3677



0.4040, 0.1624, 2.0896

Inverse Universe

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



46.7688, 36.2872, 64.2138



70.0319, 50.3421, 99.3948



44.7331, 56.3779, 32.5701



12.3033, 12.0061, 14.8731



23.0887, 11.1083, 36.9691



1.2933, 0.6221, 2.0795

Previews

White Background



This preview shows how the XYZ color 31.2446, 28.2694, 64.1314 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 31.2446, 28.2694, 64.1314 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 31.2446, 28.2694, 64.1314

Background



This preview shows how black text looks on a background with the XYZ color 31.2446, 28.2694, 64.1314.



This preview shows how white text looks on a background with the XYZ color 31.2446, 28.2694,

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

31.2446, 28.2694, 64.1314

Protanopia

29.5684, 28.2150, 66.8384

Deuteranopia

28.9534, 28.1921, 63.5901



Tritanopia

25.8372, 28.3071, 37.3598

Trichromacy



Original Color

31.2446, 28.2694, 64.1314

Protanomaly

30.3106, 28.3924, 66.1701

Deuteranomaly

29.6624, 28.1158, 63.5380

Tritanomaly

27.5249, 28.0664, 46.0861

Monochromacy



Original Color

31.2446, 28.2694, 64.1314

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.3116, 28.3491, 41.5159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2446, 28.2694, 64.1314 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(139, 138, 209)` looks like.

```
.text, #text, p{  
    color:rgb(139, 138, 209)  
}
```

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(139, 138, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 138, 209) }
```

Border

The CSS property to change the border of an element to XYZ 31.2446, 28.2694, 64.1314 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(139, 138, 209) }
```


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

```
.border{ border-color:rgb(139, 138, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 138, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 138, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 138, 209);  
box-shadow:4px 4px 4px 4px rgb(139, 138,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2446, 28.2694, 64.1314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 138, 209) }
```

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

```
.background{ background-color: rgb(139,  
138, 209) }
```

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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