

Converting Colors

XYZ(31.8764, 29.6176, 61.4703)

Have a look what the booklet for
XYZ(31.8764, 29.6176, 61.4703)
contains.

XYZ(31.7274, 29.4564, 61.1402)	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(31.7274, 29.4564,
61.1402)**

Conversions

Conversions Part 1

Format	Color
Hex	8E8ECC
RGB	142, 142, 204
RGB Percent	56%, 56%, 80%
CMY	0.4431, 0.4431, 0.2000
CMYK	0.30, 0.30, 0.00, 0.20
HSL	240°, 38%, 68%
HSV	240°, 30%, 80%
XYZ	31.7274, 29.4564, 61.1402
YIQ	149.0680, -19.9020, 19.2820

Conversions

Conversions Part 2

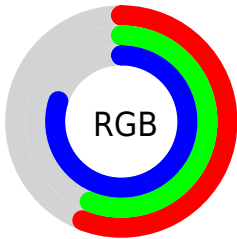
Format	Color
R_{YB}	142, 142, 204
Decimal	9342668
CIE _{Lab}	61.18, 14.16, -31.93
CIE _{LCh}	61, 34.928, 293.921
Yxy	29.4564, 0.2594, 0.2408
Android (android.graphics.Color)	4287532748 (0xFF8E8ECC)
YUV	149.0680, 27.0815, -6.1986
Hunter-Lab	54.2738, 9.3686, -28.7995

Details

The XYZ color **31.7274, 29.4564, 61.1402** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.3778, 57.9767, 34.0750**, and the grayscale version is **28.4921, 29.9759, 32.6438**.

A 20% lighter version of the original color is **60.8159, 58.5702, 102.7076**, and **13.5486, 12.0300, 30.4621** is the 20% darker color. If you saturate the color by 10%, you get **25.7799, 22.2900, 60.0709**, and if you desaturate by 10%, it is **38.8729, 38.0662, 62.4260**.

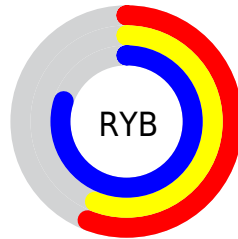
Distribution



Red (56%)

Green (56%)

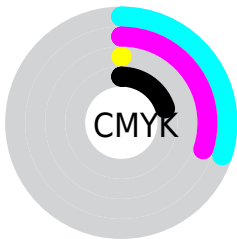
Blue (80%)



Red (56%)

Yellow (56%)

Blue (80%)

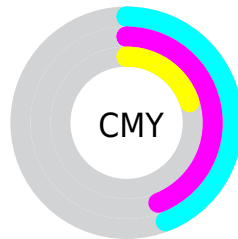


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (20%)



Cyan (44%)

Magenta (44%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7274, 29.4564, 61.1402 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 31.7274, 29.4564, 61.1402 by changing the saturation by 10% instead.

■ 31.7274, 29.4564,
61.1402

■ 31.7274, 29.4564,
61.1402

301.6430,
299.3623, 446.7087

■ 21.3079, 19.4263,
43.9070

■ 61.7516, 58.8014,
108.0414

■ 13.4630, 11.9788,
30.2608

■ 82.0870, 78.8852,
138.5465

■ 7.8273, 6.7292,
19.7829

■ 106.4584,
103.0890, 174.3127

■ 4.0355, 3.2933,
12.0548

135.2311,
131.7973, 215.7585

■ 1.7223, 1.2867,
6.6580

168.7706,
165.3943, 263.3025

■ 0.4701, 0.1309,
3.1740

207.4422,

■ 0.0000, 0.0000,

204.2646, 317.3631

1.1841

251.6112,
248.7924, 378.3590

0.0000, 0.0000,
0.0000

31.7274, 29.4564,
61.1402

31.7274, 29.4564,
61.1402

25.7799, 22.2900,
60.0709

38.8729, 38.0662,
62.4260

20.9621, 16.4849,
59.2044

47.2737, 48.1885,
63.9370

17.2034, 11.9559,
58.5283

56.9870, 59.8925,
65.6842

14.4241, 8.6070,
58.0284

68.0659, 73.2418,
67.6769

12.5332, 6.3286,
57.6882

80.5602, 88.2966,
69.9243

■ 11.4228, 4.9907,
57.4885

■ 87.8992, 97.1397,
71.2443

■ 10.8992, 4.3597,
57.3943

Harmonies

Analogous

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



27.0739, 29.4564, 64.3102



31.7274, 29.4564, 61.1402



35.7462, 29.4564, 49.3627

Triad

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



31.7274, 29.4564, 61.1402



33.5181, 29.4564, 15.6856



20.1124, 29.4564, 29.4723

Complementary

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



31.7274, 29.4564, 61.1402



51.3778, 57.9767, 34.0750

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.



21.4581, 29.4564, 19.3809



31.7274, 29.4564, 61.1402



28.9417, 29.4564, 12.9444

Square

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



31.7274, 29.4564, 61.1402



36.8565, 29.4564, 22.8839



24.5719, 29.4564, 14.0834



20.6855, 29.4564, 43.4418

Rectangle

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



31.7274, 29.4564, 61.1402



37.3542, 29.4564, 39.5883



24.5719, 29.4564, 14.0834



20.3502, 29.4564, 25.5746

Sweetspot

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



31.7284, 29.4575, 61.1409



80.2156, 82.1256, 106.2317



43.5245, 53.2474, 64.4634



16.6930, 17.0042, 22.6523



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.



31.7284, 29.4575, 61.1409



46.3280, 41.2932, 100.1364



37.5789, 32.4736, 61.4147



10.6018, 10.8440, 14.1047



6.8600, 2.7440, 36.1244



0.3539, 0.1416, 1.8636

Inverse Universe

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



39.4582, 34.1374, 30.1018



61.0015, 50.1770, 41.2144



43.9391, 54.1419, 33.7269



11.2124, 11.2137, 11.6529



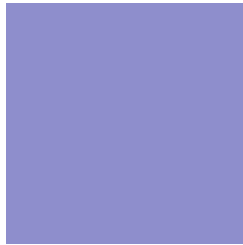
15.6735, 8.0800, 0.7335



0.8086, 0.4168, 0.0378

Previews

White Background



This preview shows how the XYZ color 31.7274, 29.4564, 61.1402 looks on a white background.

Color Contrast Check

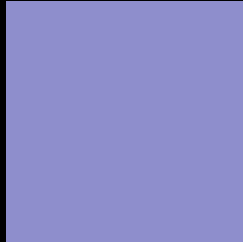
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7274, 29.4564, 61.1402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

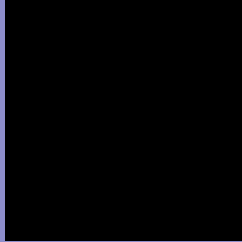
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7274, 29.4564, 61.1402

Background



This preview shows how black text looks on a background with the XYZ color 31.7274, 29.4564, 61.1402.



This preview shows how white text looks on a background with the XYZ color 31.7274, 29.4564,

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

31.7274, 29.4564, 61.1402

Protanopia

30.4411, 29.4229, 63.1063

Deuteranopia

30.2643, 29.6154, 60.6212



Tritanopia

27.1008, 29.4079, 38.4303

Trichromacy



Original Color

31.7274, 29.4564, 61.1402

Protanomaly

30.9454, 29.4711, 62.4500

Deuteranomaly

30.7364, 29.6309, 60.5993

Tritanomaly

28.5229, 29.2760, 45.7425

Monochromacy



Original Color

31.7274, 29.4564, 61.1402

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.2944, 29.5333, 41.6926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7274, 29.4564, 61.1402 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(142, 142, 204)` looks like.

```
.text, #text, p{  
    color:rgb(142, 142, 204)  
}
```

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(142, 142, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 142, 204) }
```

Border

The CSS property to change the border of an element to XYZ 31.7274, 29.4564, 61.1402 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(142, 142, 204) }
```


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

```
.border{ border-color:rgb(142, 142, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 142, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 142, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 142, 204);  
box-shadow:4px 4px 4px 4px rgb(142, 142,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7274, 29.4564, 61.1402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 142, 204) }
```

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

```
.background{ background-color: rgb(142,  
142, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor