

Converting Colors

XYZ(31.2370, 24.6887, 44.1411)

Have a look what the booklet for
XYZ(31.2370, 24.6887, 44.1411)
contains.

XYZ(31.2110, 24.6278, 44.1829)	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(31.2110, 24.6278,
44.1829)**

Conversions

Conversions Part 1

Format	Color
Hex	AC75B0
RGB	172, 117, 176
RGB Percent	67%, 46%, 69%
CMY	0.3255, 0.5412, 0.3098
CMYK	0.02, 0.34, 0.00, 0.31
HSL	296°, 27%, 57%
HSV	296°, 34%, 69%
XYZ	31.2110, 24.6278, 44.1829
YIQ	140.1710, 13.8410, 30.0090

Conversions

Conversions Part 2

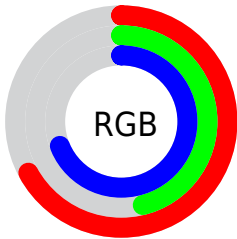
Format	Color
RYB	172, 117, 176
Decimal	11302320
CIELab	56.71, 31.54, -22.70
CIELCh	57, 38.865, 324.255
Yxy	24.6278, 0.3120, 0.2462
Android (android.graphics.Color)	4289492400 (0xFFAC75B0)
YUV	140.1710, 17.6637, 27.9140
Hunter-Lab	49.6264, 25.4159, -18.0480

Details

The XYZ color **31.2110, 24.6278, 44.1829** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.6222, 36.4005, 22.4537**, and the grayscale version is **24.9241, 26.2221, 28.5558**.

A 20% lighter version of the original color is **60.9351, 51.0696, 82.9897**, and **13.1901, 9.3663, 19.8516** is the 20% darker color. If you saturate the color by 10%, you get **29.0895, 20.7714, 43.5507**, and if you desaturate by 10%, it is **33.7219, 29.2586, 44.9448**.

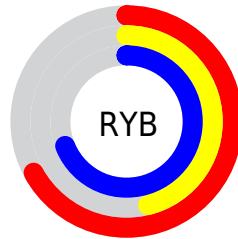
Distribution



Red (67%)

Green (46%)

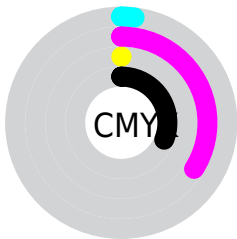
Blue (69%)



Red (67%)

Yellow (46%)

Blue (69%)

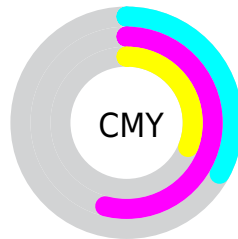


Cyan (2%)

Magenta (34%)

Yellow (0%)

Black (31%)



Cyan (33%)

Magenta (54%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2110, 24.6278, 44.1829 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 31.2110, 24.6278, 44.1829 by changing the saturation by 10% instead.

31.2110, 24.6278,
44.1829

31.2110, 24.6278,
44.1829

299.3188,
275.9793, 379.5173

20.9122, 15.8000,
30.4761

60.9457, 51.0528,
82.7983

13.1719, 9.3827,
19.9451

81.1123, 69.4187,
108.5440

7.6249, 4.9916,
12.1715

105.2989, 91.7328,
139.1396

3.9056, 2.2424,
6.7366

133.8708,
118.3794, 175.0039

1.6489, 0.7429,
3.2220

167.1934,
149.7429, 216.5552

0.4239, 0.0000,
1.2091

205.6320,

0.0000, 0.0000,

186.2079, 264.2122

0.0000

249.5520,
228.1585, 318.3934

■ 31.2110, 24.6278,
44.1829

■ 31.2110, 24.6278,
44.1829

■ 29.0895, 20.7714,
43.5507

■ 33.7219, 29.2586,
44.9448

■ 27.3335, 17.6428,
43.0394

■ 36.6399, 34.7006,
45.8414

■ 25.9199, 15.1956,
42.6415

■ 39.9843, 40.9919,
46.8794

■ 24.8220, 13.3765,
42.3483

■ 43.7726, 48.1675,
48.0648

■ 24.0094, 12.1244,
42.1494

■ 48.0213, 56.2603,
49.4029

■ 23.4452, 11.3658,
42.0327

■ 52.7460, 65.3015,
50.8991

■ 23.1607, 11.0345,
41.9838

■ 57.9615, 75.3208,
52.5581

■ 62.7809, 84.5445,
54.0844

■ 63.0630, 84.6899,
54.0976

Harmonies

Analogous

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



27.1706, 24.6278, 56.5864



31.2110, 24.6278, 44.1829



33.1855, 24.6278, 29.3905

Triad

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



31.2110, 24.6278, 44.1829



24.2906, 24.6278, 8.8682



16.3322, 24.6278, 38.4207

Complementary

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



31.2110, 24.6278, 44.1829



26.6222, 36.4005, 22.4537

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.



15.7686, 24.6278, 24.3955



31.2110, 24.6278, 44.1829



20.0098, 24.6278, 9.8986

Square

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



31.2110, 24.6278, 44.1829



28.8727, 24.6278, 11.2398



17.0277, 24.6278, 14.7254



18.6804, 24.6278, 52.5774

Rectangle

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



31.2110, 24.6278, 44.1829



32.9032, 24.6278, 21.1314



17.0277, 24.6278, 14.7254



15.9416, 24.6278, 33.4371

Sweetspot

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



31.2118, 24.6289, 44.1834



68.3940, 66.5779, 83.7414



22.1229, 20.8163, 43.9266



14.6475, 14.1006, 18.0940



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.2118, 24.6289, 44.1834



53.7751, 39.5081, 79.2869



29.8864, 24.2016, 32.5529



8.7920, 8.6168, 10.7062



17.0132, 8.1064, 30.8050



0.5522, 0.2638, 0.9700

Inverse Universe

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



27.7178, 23.3342, 21.1333



46.5465, 36.8426, 31.0128



27.7135, 36.7737, 31.0658



8.5190, 8.5143, 8.9653



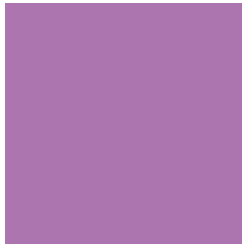
13.1937, 6.7950, 0.9141



0.4228, 0.2169, 0.0692

Previews

White Background



This preview shows how the XYZ color 31.2110, 24.6278, 44.1829 looks on a white background.

Color Contrast Check

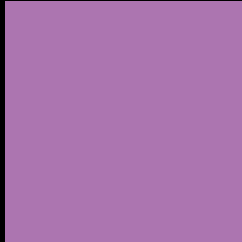
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2110, 24.6278, 44.1829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

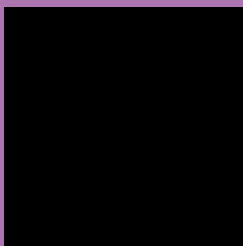
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2110, 24.6278, 44.1829

Background



This preview shows how black text looks on a background with the XYZ color 31.2110, 24.6278, 44.1829.



This preview shows how white text looks on a background with the XYZ color 31.2110, 24.6278,

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

31.2110, 24.6278, 44.1829

Protanopia

25.5950, 24.9951, 51.6197

Deuteranopia

25.4280, 24.8926, 42.9997



Tritanopia

27.4327, 24.5235, 26.2093

Trichromacy



Original Color

31.2110, 24.6278, 44.1829

Protanomaly

27.0184, 24.3880, 48.6307

Deuteranomaly

27.2132, 24.6053, 43.3594

Tritanomaly

28.6130, 24.4459, 32.0646

Monochromacy



Original Color

31.2110, 24.6278, 44.1829

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.9499, 25.4778, 33.6343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2110, 24.6278, 44.1829 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(172, 117, 176)` looks like.

```
.text, #text, p{  
    color:rgb(172, 117, 176)  
}
```

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(172, 117, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 117, 176) }
```

Border

The CSS property to change the border of an element to XYZ 31.2110, 24.6278, 44.1829 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(172, 117, 176) }
```


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

```
.border{ border-color:rgb(172, 117, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 117, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 117, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 117, 176);  
box-shadow:4px 4px 4px 4px rgb(172, 117,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2110, 24.6278, 44.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 117, 176) }
```

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

```
.background{ background-color: rgb(172,  
117, 176) }
```

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