

Converting Colors

XYZ(31.8626, 24.1114, 44.5701)

Have a look what the booklet for
XYZ(31.8626, 24.1114, 44.5701)
contains.

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Color

**XYZ(31.8614, 24.1098,
44.5693)**

Conversions

Conversions Part 1

Format	Color
Hex	B170B1
RGB	177, 112, 177
RGB Percent	69%, 44%, 69%
CMY	0.3059, 0.5608, 0.3059
CMYK	0.00, 0.37, 0.00, 0.31
HSL	300°, 29%, 57%
HSV	300°, 37%, 69%
XYZ	31.8614, 24.1098, 44.5693
YIQ	138.8450, 17.8750, 33.9950

Conversions

Conversions Part 2

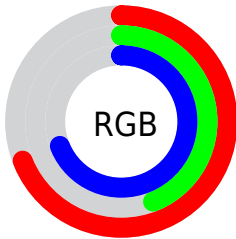
Format	Color
R_{YB}	177, 112, 177
Decimal	11628721
CIE _{Lab}	56.20, 36.14, -24.02
CIE _{LCh}	56, 43.391, 326.388
Yxy	24.1098, 0.3169, 0.2398
Android (android.graphics.Color)	4289818801 (0xFFB170B1)
YUV	138.8450, 18.8104, 33.4619
Hunter-Lab	49.1017, 29.8980, -19.4459

Details

The XYZ color **31.8614, 24.1098, 44.5693** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.3299, 36.0596, 20.9558**, and the grayscale version is **24.4069, 25.6780, 27.9633**.

A 20% lighter version of the original color is **62.0948, 50.2859, 83.5242**, and **13.5291, 9.1114, 20.1144** is the 20% darker color. If you saturate the color by 10%, you get **30.0973, 20.5812, 43.9815**, and if you desaturate by 10%, it is **34.0109, 28.4083, 45.2861**.

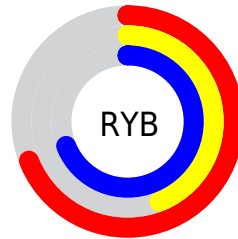
Distribution



Red (69%)

Green (44%)

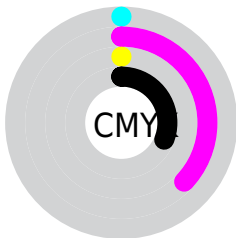
Blue (69%)



Red (69%)

Yellow (44%)

Blue (69%)

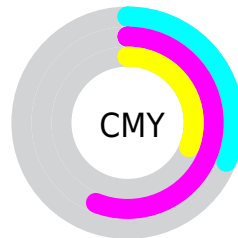


Cyan (0%)

Magenta (37%)

Yellow (0%)

Black (31%)



Cyan (31%)

Magenta (56%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8614, 24.1098, 44.5693 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 31.8614, 24.1098, 44.5693 by changing the saturation by 10% instead.

■ 31.8614, 24.1098,
44.5693

■ 31.8614, 24.1098,
44.5693

302.2439,
273.3751, 381.1355

■ 21.4107, 15.4151,
30.7778

■ 61.9604, 50.2093,
83.3853

■ 13.5387, 9.1112,
20.1727

■ 82.3394, 68.3829,
109.2469

■ 7.8801, 4.8138,
12.3353

■ 106.7586, 90.4849,
139.9690

■ 4.0695, 2.1384,
6.8472

■ 135.5832,
116.8998, 175.9702

■ 1.7415, 0.6861,
3.2897

169.1787,
148.0118, 217.6688

■ 0.4820, 0.0000,
1.2444

207.9104,

■ 0.0000, 0.0000,

184.2054, 265.4836

0.0156

252.1437,
225.8651, 319.8330

■ 0.0000, 0.0000,
0.0000

■ 31.8614, 24.1098,
44.5693

■ 31.8614, 24.1098,
44.5693

■ 30.0973, 20.5812,
43.9815

■ 34.0109, 28.4083,
45.2861

■ 28.6938, 17.7741,
43.5136

■ 36.5643, 33.5150,
46.1373

■ 27.6265, 15.6396,
43.1578


■ 39.5416, 39.4696,
47.1297


■ 26.8675, 14.1216,
42.9047


■ 42.9608, 46.3080,
48.2695


■ 26.3840, 13.1545,
42.7435


■ 46.8390, 54.0644,
49.5623


 26.1305, 12.6475,
42.6590

 51.1922, 62.7707,
51.0134

 26.0675, 12.5215,
42.6380

 56.0357, 72.4578,
52.6280

 61.3842, 83.1548,
54.4108

 61.8276, 84.0416,
54.5587

Harmonies

Analogous

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



27.4454, 24.1098, 59.3219



31.8614, 24.1098, 44.5693



33.8752, 24.1098, 28.0193

Triad

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



31.8614, 24.1098, 44.5693



23.5249, 24.1098, 7.2798



15.3567, 24.1098, 40.4404

Complementary

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



31.8614, 24.1098, 44.5693



25.3299, 36.0596, 20.9558

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.



14.6186, 24.1098, 24.5596



31.8614, 24.1098, 44.5693



18.9139, 24.1098, 8.5393

Square

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



31.8614, 24.1098, 44.5693



28.6420, 24.1098, 9.3838



15.8238, 24.1098, 13.7985



18.0084, 24.1098, 56.3931

Rectangle

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



31.8614, 24.1098, 44.5693



33.3968, 24.1098, 19.2429



15.8238, 24.1098, 13.7985



14.8948, 24.1098, 34.7835

Sweetspot

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



31.8622, 24.1109, 44.5698



68.3392, 65.7325, 83.5810



20.4132, 18.2087, 44.0342



14.6587, 13.9422, 18.0628



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.



31.8622, 24.1109, 44.5698



54.4728, 37.9998, 78.9586



28.9989, 22.9655, 29.4918



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8923



0.5943, 0.2854, 0.9720

Inverse Universe

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



31.8622, 24.1109, 44.5698



54.4728, 37.9998, 78.9586



27.4775, 36.9187, 32.2652



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8923



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 31.8614, 24.1098, 44.5693 looks on a white background.

Color Contrast Check

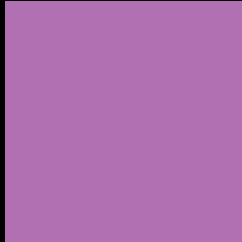
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8614, 24.1098, 44.5693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

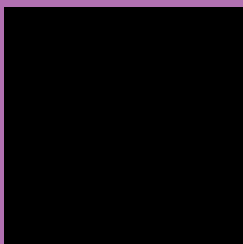
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8614, 24.1098, 44.5693

Background



This preview shows how black text looks on a background with the XYZ color 31.8614, 24.1098, 44.5693.



This preview shows how white text looks on a background with the XYZ color 31.8614, 24.1098,

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

31.8614, 24.1098, 44.5693

Protanopia

25.2156, 24.3383, 53.8208

Deuteranopia

24.8324, 24.3814, 42.9324



Tritanopia

27.8509, 24.2157, 24.6789

Trichromacy



Original Color

31.8614, 24.1098, 44.5693

Protanomaly

26.7845, 23.6584, 50.1685

Deuteranomaly

26.8277, 23.8342, 43.2309

Tritanomaly

29.0573, 23.9792, 31.1139

Monochromacy



Original Color

31.8614, 24.1098, 44.5693

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.7369, 24.7727, 33.5094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8614, 24.1098, 44.5693 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(177, 112, 177)` looks like.

```
.text, #text, p{  
    color:rgb(177, 112, 177)  
}
```

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(177, 112, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 112, 177) }
```

Border

The CSS property to change the border of an element to XYZ 31.8614, 24.1098, 44.5693 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(177, 112, 177) }
```


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

```
.border{ border-color:rgb(177, 112, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 112, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 112, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 112, 177);  
box-shadow:4px 4px 4px 4px rgb(177, 112,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8614, 24.1098, 44.5693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 112, 177) }
```

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

```
.background{ background-color: rgb(177,  
112, 177) }
```

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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