

Converting Colors

XYZ(31.3590, 23.3386, 42.8307)

Have a look what the booklet for
XYZ(31.3590, 23.3386, 42.8307)
contains.

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Color

**XYZ(31.4687, 23.4582,
42.9137)**

Conversions

Conversions Part 1

Format	Color
Hex	B26DAE
RGB	178, 109, 174
RGB Percent	70%, 43%, 68%
CMY	0.3020, 0.5725, 0.3176
CMYK	0.00, 0.39, 0.02, 0.30
HSL	303°, 31%, 56%
HSV	303°, 39%, 70%
XYZ	31.4687, 23.4582, 42.9137
YIQ	137.0410, 20.2590, 34.8430

Conversions

Conversions Part 2

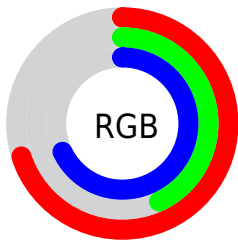
Format	Color
R _Y B	178, 109, 174
Decimal	11693486
CIE Lab	55.54, 37.53, -23.29
CIE LCh	56, 44.171, 328.180
Yxy	23.4582, 0.3216, 0.2398
Android (android.graphics.Color)	4289883566 (0xFFB26DAE)
YUV	137.0410, 18.2208, 35.9210
Hunter-Lab	48.4337, 31.2175, -18.6292

Details

The XYZ color **31.4687, 23.4582, 42.9137** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.2087, 36.2851, 21.2992**, and the grayscale version is **23.7219, 24.9573, 27.1785**.

A 20% lighter version of the original color is **61.4642, 49.2160, 81.1230**, and **13.3273, 8.7935, 19.0840** is the 20% darker color. If you saturate the color by 10%, you get **29.6587, 19.9981, 41.8161**, and if you desaturate by 10%, it is **33.6655, 27.6897, 44.1446**.

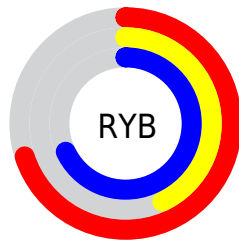
Distribution



Red (70%)

Green (43%)

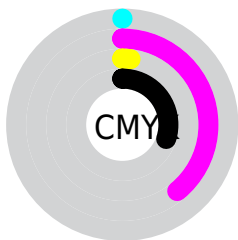
Blue (68%)



Red (70%)

Yellow (43%)

Blue (68%)

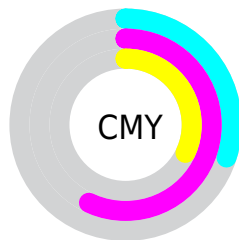


Cyan (0%)

Magenta (39%)

Yellow (2%)

Black (30%)



Cyan (30%)


Magenta (57%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4687, 23.4582, 42.9137 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 31.4687, 23.4582, 42.9137 by changing the saturation by 10% instead.


 31.4687, 23.4582,
42.9137


 31.4687, 23.4582,
42.9137


300.4803,
270.0697, 374.1675

 21.1096, 14.9322,
29.4865


 61.3481, 49.1446,
80.8656

 13.3170, 8.7718,
19.2004


 81.5991, 67.0738,
106.2273

 7.7257, 4.5926,
11.6369

 105.8780, 88.9062,
136.4044

 3.9703, 2.0103,
6.3774

 134.5504,
115.0262, 171.8152

 1.6853, 0.6134,
3.0034

167.9814,
145.8181, 212.8784

 0.4471, 0.0000,
1.0964

206.5365,

 0.0000, 0.0000,

181.6664, 260.0125

0.0000

250.5810,
222.9555, 313.6360

■ 31.4687, 23.4582,
42.9137

■ 31.4687, 23.4582,
42.9137

■ 29.6587, 19.9981,
41.8161

■ 33.6655, 27.6897,
44.1446

■ 28.2098, 17.2595,
40.8424

■ 36.2683, 32.7323,
45.5143

■ 27.0970, 15.1918,
39.9845

■ 39.2975, 38.6266,
47.0301

■ 26.2908, 13.7363,
39.2326

■ 42.7717, 45.4097,
48.6980

■ 25.7570, 12.8241,
38.5753

■ 46.7084, 53.1165,
50.5239

■ 25.4343, 12.3330,
37.9922

■ 51.1241, 61.7799,
52.5134

■ 25.3985, 12.2804,
37.9216

■ 56.0344, 71.4314,
54.6715

■ 61.4542, 82.1007,
57.0035

■ 62.6977, 84.4161,
57.9471

Harmonies

Analogous

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



27.1339, 23.4582, 58.1681



31.4687, 23.4582, 42.9137



33.3093, 23.4582, 26.4236

Triad

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



31.4687, 23.4582, 42.9137



22.6021, 23.4582, 6.7611



14.8722, 23.4582, 40.8151

Complementary

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



31.4687, 23.4582, 42.9137



25.2087, 36.2851, 21.2992

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.



14.0255, 23.4582, 24.6802



31.4687, 23.4582, 42.9137



18.0708, 23.4582, 8.1860

Square

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



31.4687, 23.4582, 42.9137



27.7393, 23.4582, 8.6011



15.1057, 23.4582, 13.6338



17.6164, 23.4582, 56.6723

Rectangle

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



31.4687, 23.4582, 42.9137



32.6944, 23.4582, 17.9017



15.1057, 23.4582, 13.6338



14.3759, 23.4582, 35.0954

Sweetspot

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



31.4695, 23.4592, 42.9142



69.2805, 66.1846, 84.3074



20.2450, 17.6271, 44.4554



15.1910, 14.3555, 18.5995



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.4695, 23.4592, 42.9142



54.0662, 36.8027, 76.0089



28.5669, 22.2982, 27.6297



8.8283, 8.6381, 10.5944



18.1808, 8.7899, 27.1757



0.5784, 0.2791, 0.8887

Inverse Universe

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



31.4695, 23.4592, 42.9142



54.0662, 36.8027, 76.0089



27.4905, 37.1978, 33.3152



8.8283, 8.6381, 10.5944



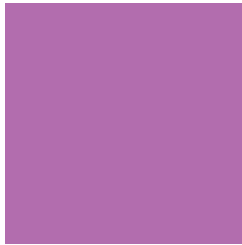
18.1808, 8.7899, 27.1757



0.5784, 0.2791, 0.8887

Previews

White Background



This preview shows how the XYZ color 31.4687, 23.4582, 42.9137 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 31.4687, 23.4582, 42.9137 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 31.4687, 23.4582, 42.9137

Background



This preview shows how black text looks on a background with the XYZ color 31.4687, 23.4582, 42.9137.



This preview shows how white text looks on a background with the XYZ color 31.4687, 23.4582,

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

31.4687, 23.4582, 42.9137

Protanopia

24.4597, 23.5716, 52.5508

Deuteranopia

24.1244, 23.6469, 41.3230



Tritanopia

27.5064, 23.5228, 23.5127

Trichromacy



Original Color

31.4687, 23.4582, 42.9137

Protanomaly

26.1564, 22.9871, 48.9573

Deuteranomaly

26.2877, 23.2172, 41.6239

Tritanomaly

28.6971, 23.3045, 29.7738

Monochromacy



Original Color

31.4687, 23.4582, 42.9137

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

26.0433, 24.0562, 32.1248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4687, 23.4582, 42.9137 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(178, 109, 174)` looks like.

```
.text, #text, p{  
    color:rgb(178, 109, 174)  
}
```

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(178, 109, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 109, 174) }
```

Border

The CSS property to change the border of an element to XYZ 31.4687, 23.4582, 42.9137 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(178, 109, 174) }
```


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

```
.border{ border-color:rgb(178, 109, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 109, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 109, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 109, 174);  
box-shadow:4px 4px 4px 4px rgb(178, 109,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4687, 23.4582, 42.9137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 109, 174) }
```

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

```
.background{ background-color: rgb(178,  
109, 174) }
```

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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