

Converting Colors

XYZ(31.3057, 23.8292, 40.3259)

Have a look what the booklet for
XYZ(31.3057, 23.8292, 40.3259)
contains.

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Color

**XYZ(31.2060, 23.6984,
40.4656)**

Conversions

Conversions Part 1

Format	Color
Hex	B26FA9
RGB	178, 111, 169
RGB Percent	70%, 44%, 66%
CMY	0.3020, 0.5647, 0.3373
CMYK	0.00, 0.38, 0.05, 0.30
HSL	308°, 30%, 57%
HSV	308°, 38%, 70%
XYZ	31.2060, 23.6984, 40.4656
YIQ	137.6450, 21.3140, 32.2420

Conversions

Conversions Part 2

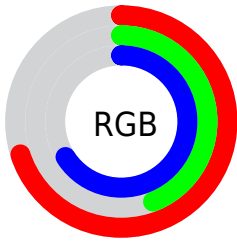
Format	Color
RYB	178, 111, 169
Decimal	11693993
CIELab	55.78, 35.52, -20.03
CIELCh	56, 40.775, 330.584
Yxy	23.6984, 0.3272, 0.2485
Android (android.graphics.Color)	4289884073 (0xFFB26FA9)
YUV	137.6450, 15.4580, 35.3913
Hunter-Lab	48.6810, 29.2322, -15.2075

Details

The XYZ color **31.2060, 23.6984, 40.4656** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.8671, 36.5772, 23.4675**, and the grayscale version is **23.9604, 25.2082, 27.4517**.

A 20% lighter version of the original color is **60.9910, 49.5949, 76.8792**, and **13.1918, 8.9069, 17.8535** is the 20% darker color. If you saturate the color by 10%, you get **29.2316, 20.1052, 38.7101**, and if you desaturate by 10%, it is **33.5730, 28.0693, 42.3727**.

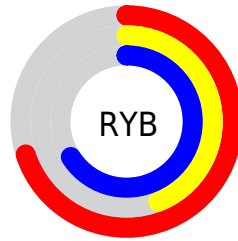
Distribution



Red (70%)

Green (44%)

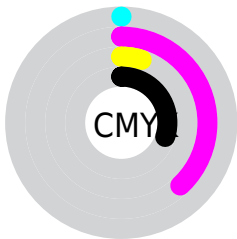
Blue (66%)



Red (70%)

Yellow (44%)

Blue (66%)

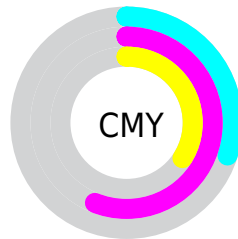


Cyan (0%)

Magenta (38%)

Yellow (5%)

Black (30%)



Cyan (30%)


Magenta (56%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2060, 23.6984, 40.4656 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 31.2060, 23.6984, 40.4656 by changing the saturation by 10% instead.


 31.2060, 23.6984,
40.4656


 31.2060, 23.6984,
40.4656


299.2962,
271.2921, 363.6924


 20.9084, 15.1100,
27.5852


 60.9379, 49.5376,
77.1168

 13.1691, 8.8967,
17.7769


 81.1028, 67.5572,
101.7247

 7.6229, 4.6738,
10.6222


 105.2876, 89.4894,
131.0789

 3.9044, 2.0572,
5.7024

 133.8576,
115.7185, 165.5978

 1.6482, 0.6404,
2.5991

167.1780,
146.6289, 205.7001

 0.4235, 0.0000,
0.8920

205.6144,

 0.0000, 0.0000,

182.6050, 251.8043

0.0000

249.5320,
224.0313, 304.3289

■ 31.2060, 23.6984,
40.4656

■ 31.2060, 23.6984,
40.4656

■ 29.2316, 20.1052,
38.7101

■ 33.5730, 28.0693,
42.3727

■ 27.6245, 17.2404,
37.0970

■ 36.3515, 33.2572,
44.4371

■ 26.3597, 15.0539,
35.6180

■ 39.5621, 39.3025,
46.6659

■ 25.4084, 13.4878,
34.2635

■ 43.2231, 46.2420,
49.0655

■ 24.7369, 12.4749,
33.0221

■ 47.3518, 54.1103,
51.6417

■ 24.2933, 11.9113,
31.8763

■ 51.9648, 62.9401,
54.4001

■ 24.2005, 11.8012,
31.6126

■ 57.0775, 72.7629,
57.3459

■ 62.7049, 83.6082,
60.4843

■ 63.4719, 84.7257,
62.0236

Harmonies

Analogous

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



27.3660, 23.6984, 54.5746



31.2060, 23.6984, 40.4656



32.6541, 23.6984, 25.5446

Triad

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



31.2060, 23.6984, 40.4656



22.4340, 23.6984, 7.7804



15.6953, 23.6984, 41.0761

Complementary

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



31.2060, 23.6984, 40.4656



25.8671, 36.5772, 23.4675

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.



14.7420, 23.6984, 26.0642



31.2060, 23.6984, 40.4656



18.2908, 23.6984, 9.4865

Square

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



31.2060, 23.6984, 40.4656



27.1875, 23.6984, 9.3538



15.6241, 23.6984, 15.1951



18.4279, 23.6984, 55.0038

Rectangle

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



31.2060, 23.6984, 40.4656



31.9318, 23.6984, 17.8357



15.6241, 23.6984, 15.1951



15.1743, 23.6984, 35.8485

Sweetspot

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



31.2068, 23.6995, 40.4661



69.5827, 67.1957, 83.1541



21.4579, 18.5727, 44.5741



15.2419, 14.5591, 18.3025



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.



31.2068, 23.6995, 40.4661



53.6233, 37.5686, 70.7696



28.4587, 22.6002, 25.9949



8.7999, 8.6267, 10.4449



17.3323, 8.4505, 22.7075



0.5589, 0.2713, 0.7857

Inverse Universe

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



31.2068, 23.6995, 40.4661



53.6233, 37.5686, 70.7696



28.2625, 37.5354, 36.0814



8.7999, 8.6267, 10.4449



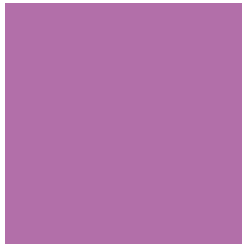
17.3323, 8.4505, 22.7075



0.5589, 0.2713, 0.7857

Previews

White Background



This preview shows how the XYZ color 31.2060, 23.6984, 40.4656 looks on a white background.

Color Contrast Check

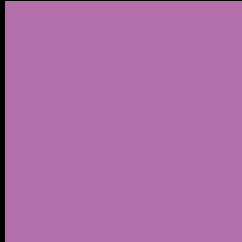
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2060, 23.6984, 40.4656 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 31.2060, 23.6984, 40.4656

Background



This preview shows how black text looks on a background with the XYZ color 31.2060, 23.6984, 40.4656.



This preview shows how white text looks on a background with the XYZ color 31.2060, 23.6984,

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

31.2060, 23.6984, 40.4656

Protanopia

24.4794, 23.8569, 49.2136

Deuteranopia

24.2679, 23.7745, 38.9072



Tritanopia

27.7267, 23.6364, 23.5230

Trichromacy



Original Color

31.2060, 23.6984, 40.4656

Protanomaly

26.1596, 23.2454, 45.7559

Deuteranomaly

26.3033, 23.4644, 39.2191

Tritanomaly

28.8825, 23.5879, 29.0172

Monochromacy



Original Color

31.2060, 23.6984, 40.4656

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.2809, 24.3806, 31.7545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2060, 23.6984, 40.4656 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, 111, 169)` looks like.

```
.text, #text, p{  
    color:rgb(178, 111, 169)  
}
```

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, 111, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 111, 169) }
```

Border

The CSS property to change the border of an element to XYZ 31.2060, 23.6984, 40.4656 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, 111, 169) }
```


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

```
.border{ border-color:rgb(178, 111, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 111, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 111, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 111, 169);  
box-shadow:4px 4px 4px 4px rgb(178, 111,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2060, 23.6984, 40.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 111, 169) }
```

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

```
.background{ background-color: rgb(178,  
111, 169) }
```

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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