

Converting Colors

XYZ(31.8252, 25.6443, 36.6559)

Have a look what the booklet for
XYZ(31.8252, 25.6443, 36.6559)
contains.

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Color

**XYZ(31.8840, 25.6743,
36.5329)**

Conversions

Conversions Part 1

Format	Color
Hex	B478A0
RGB	180, 120, 160
RGB Percent	71%, 47%, 63%
CMY	0.2941, 0.5294, 0.3725
CMYK	0.00, 0.33, 0.11, 0.29
HSL	320°, 29%, 59%
HSV	320°, 33%, 71%
XYZ	31.8840, 25.6743, 36.5329
YIQ	142.5000, 22.9200, 25.1600

Conversions

Conversions Part 2

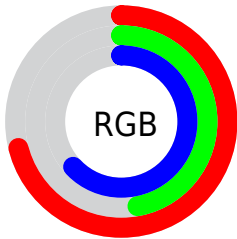
Format	Color
RYB	180, 120, 160
Decimal	11827360
CIELab	57.73, 29.63, -11.86
CIELCh	58, 31.913, 338.183
Yxy	25.6743, 0.3389, 0.2729
Android (android.graphics.Color)	4290017440 (0xFFB478A0)
YUV	142.5000, 8.6275, 32.8875
Hunter-Lab	50.6698, 23.6490, -7.2792

Details

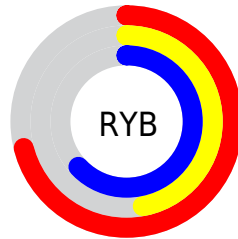
The XYZ color **31.8840, 25.6743, 36.5329** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.8017, 38.5297, 30.7315**, and the grayscale version is **25.8704, 27.2177, 29.6401**.

A 20% lighter version of the original color is **62.1344, 52.7980, 71.2062**, and **13.5011, 9.8986, 15.3864** is the 20% darker color. If you saturate the color by 10%, you get **29.4071, 21.5401, 33.1798**, and if you desaturate by 10%, it is **34.7947, 30.6348, 40.1562**.

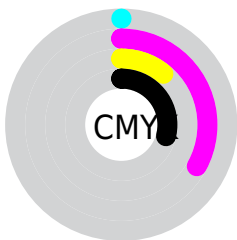
Distribution



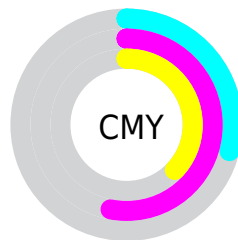
- Red (71%)
- Green (47%)
- Blue (63%)



- Red (71%)
- Yellow (47%)
- Blue (63%)



- Cyan (0%)
- Magenta (33%)
- Yellow (11%)
- Black (29%)



- Cyan (29%)
- Magenta (53%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8840, 25.6743, 36.5329 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 31.8840, 25.6743, 36.5329 by changing the saturation by 10% instead.

■ 31.8840, 25.6743,
36.5329

■ 31.8840, 25.6743,
36.5329

302.3452,
281.1796, 346.3914

■ 21.4280, 16.5801,
24.5531

■ 61.9956, 52.7490,
71.0321

■ 13.5515, 9.9356,
15.5284

■ 82.3820, 71.4984,
94.3885

■ 7.8890, 5.3563,
9.0404

■ 106.8092, 94.2350,
122.3743

■ 4.0752, 2.4578,
4.6703

135.6426,
121.3431, 155.4079

■ 1.7448, 0.8554,
1.9998

169.2475,
153.2073, 193.9078

■ 0.4840, 0.0000,
0.5552

207.9893,

■ 0.0000, 0.0000,

190.2118, 238.2927

0.0000

252.2335,
232.7411, 288.9810

■ 31.8840, 25.6743,
36.5329

■ 31.8840, 25.6743,
36.5329

■ 29.4071, 21.5401,
33.1798

■ 34.7947, 30.6348,
40.1562

■ 27.3385, 18.1828,
30.0858

■ 38.1583, 36.4604,
44.0569

■ 25.6535, 15.5533,
27.2411

■ 41.9955, 43.1917,
48.2439

■ 24.3236, 13.5952,
24.6345

■ 46.3252, 50.8655,
52.7250

■ 23.3161, 12.2438,
22.2532

■ 51.1648, 59.5167,
57.5078

■ 22.5921, 11.4216,
20.0822

■ 56.5314, 69.1785,
62.5995

■ 22.2125, 11.0594,
18.7324

■ 62.4408, 79.8823,
68.0069

■ 65.9681, 85.7776,
72.7566

■ 66.7206, 86.0786,
76.7192

Harmonies

Analogous

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



29.2353, 25.6743, 47.9861



31.8840, 25.6743, 36.5329



32.4270, 25.6743, 25.0640

Triad

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



31.8840, 25.6743, 36.5329



23.3712, 25.6743, 11.8642



19.0680, 25.6743, 43.0951

Complementary

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



31.8840, 25.6743, 36.5329



28.8017, 38.5297, 30.7315

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.



17.8250, 25.6743, 31.0601



31.8840, 25.6743, 36.5329



20.1343, 25.6743, 14.4559

Square

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



31.8840, 25.6743, 36.5329



27.2382, 25.6743, 12.6099



18.1940, 25.6743, 20.8373



21.7711, 25.6743, 52.4119

Rectangle

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



31.8840, 25.6743, 36.5329



31.4734, 25.6743, 19.1434



18.1940, 25.6743, 20.8373



18.4791, 25.6743, 39.1246

Sweetspot

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



31.8848, 25.6755, 36.5334



71.2928, 69.7862, 82.2262



25.7710, 22.3050, 46.1274



15.2076, 14.7313, 17.5491



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.



31.8848, 25.6755, 36.5334



54.4360, 40.9002, 61.7245



29.5691, 24.7492, 24.3390



8.7272, 8.5976, 10.0618



15.5350, 7.7316, 13.2432



0.5145, 0.2536, 0.5521

Inverse Universe

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



31.8848, 25.6755, 36.5334



54.4360, 40.9002, 61.7245



31.3235, 39.5385, 44.0116



8.7272, 8.5976, 10.0618



15.5350, 7.7316, 13.2432



0.5145, 0.2536, 0.5521

Previews

White Background



This preview shows how the XYZ color 31.8840, 25.6743, 36.5329 looks on a white background.

Color Contrast Check

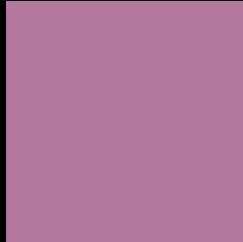
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8840, 25.6743, 36.5329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

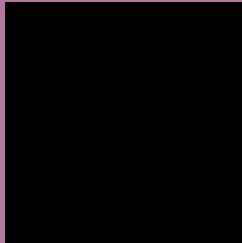
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8840, 25.6743, 36.5329

Background



This preview shows how black text looks on a background with the XYZ color 31.8840, 25.6743, 36.5329.



This preview shows how white text looks on a background with the XYZ color 31.8840, 25.6743,

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

31.8840, 25.6743, 36.5329

Protanopia

25.8949, 25.9808, 42.6797

Deuteranopia

26.2514, 25.6916, 35.4737



Tritanopia

29.7682, 25.7356, 25.9528

Trichromacy



Original Color

31.8840, 25.6743, 36.5329

Protanomaly

27.5786, 25.4493, 40.5044

Deuteranomaly

28.0588, 25.6020, 35.8106

Tritanomaly

30.4010, 25.6141, 29.3283

Monochromacy



Original Color

31.8840, 25.6743, 36.5329

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.7991, 26.5658, 32.0963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8840, 25.6743, 36.5329 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(180, 120, 160)` looks like.

```
.text, #text, p{  
    color:rgb(180, 120, 160)  
}
```

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(180, 120, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 120, 160) }
```

Border

The CSS property to change the border of an element to XYZ 31.8840, 25.6743, 36.5329 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(180, 120, 160) }
```


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

```
.border{ border-color:rgb(180, 120, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 120, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 120, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 120, 160);  
box-shadow:4px 4px 4px 4px rgb(180, 120,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8840, 25.6743, 36.5329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 120, 160) }
```

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

```
.background{ background-color: rgb(180,  
120, 160) }
```

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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