

Converting Colors

XYZ(31.5145, 25.9755, 46.4204)

Have a look what the booklet for
XYZ(31.5145, 25.9755, 46.4204)
contains.

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Color

**XYZ(31.5943, 26.0354,
46.5402)**

Conversions

Conversions Part 1

Format	Color
Hex	A87CB4
RGB	168, 124, 180
RGB Percent	66%, 49%, 71%
CMY	0.3412, 0.5137, 0.2941
CMYK	0.07, 0.31, 0.00, 0.29
HSL	287°, 27%, 60%
HSV	287°, 31%, 71%
XYZ	31.5943, 26.0354, 46.5402
YIQ	143.5400, 8.2480, 26.7440

Conversions

Conversions Part 2

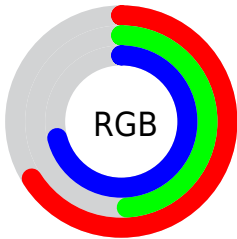
Format	Color
R _Y B	168, 124, 180
Decimal	11041972
CIE _{Lab}	58.07, 27.09, -22.95
CIE _{LCh}	58, 35.503, 319.731
Yxy	26.0354, 0.3033, 0.2499
Android (android.graphics.Color)	4289232052 (0xFFA87CB4)
YUV	143.5400, 17.9748, 21.4514
Hunter-Lab	51.0249, 21.2325, -18.3614

Details

The XYZ color **31.5943, 26.0354, 46.5402** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.1136, 39.3327, 25.0748**, and the grayscale version is **26.2530, 27.6202, 30.0784**.

A 20% lighter version of the original color is **61.6029, 53.3477, 86.4072**, and **13.3498, 10.0747, 21.3197** is the 20% darker color. If you saturate the color by 10%, you get **28.7323, 21.5120, 45.8183**, and if you desaturate by 10%, it is **34.8941, 31.3971, 47.4016**.

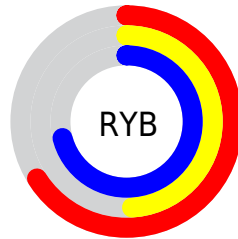
Distribution



Red (66%)

Green (49%)

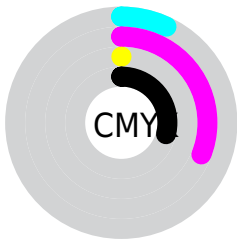
Blue (71%)



Red (66%)

Yellow (49%)

Blue (71%)

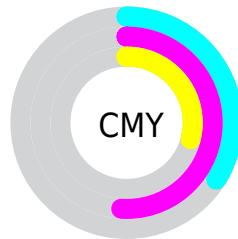


Cyan (7%)

Magenta (31%)

Yellow (0%)

Black (29%)



Cyan (34%)

Magenta (51%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5943, 26.0354, 46.5402 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 31.5943, 26.0354, 46.5402 by changing the saturation by 10% instead.

■ 31.5943, 26.0354,
46.5402

■ 31.5943, 26.0354,
46.5402

301.0452,
282.9558, 389.3167

■ 21.2059, 16.8501,
32.3206

■ 61.5440, 53.3320,
86.3697

■ 13.3879, 10.1277,
21.3396

■ 81.8360, 72.2122,
112.8166

■ 7.7750, 5.4837,
13.1788

■ 106.1599, 95.0928,
144.1763

■ 4.0019, 2.5338,
7.4196

134.8811,
122.3582, 180.8675

■ 1.7032, 0.8935,
3.6435

168.3648,
154.3928, 223.3085

■ 0.4583, 0.0000,
1.4319

206.9765,

■ 0.0000, 0.0000,

191.5810, 271.9181

0.1664

251.0815,
234.3072, 327.1146

■ 0.0000, 0.0000,
0.0000

■ 31.5943, 26.0354,
46.5402

■ 31.5943, 26.0354,
46.5402

■ 28.7323, 21.5120,
45.8183

■ 34.8941, 31.3971,
47.4016

■ 26.2829, 17.7785,
45.2268

■ 38.6500, 37.6353,
48.4077

■ 24.2223, 14.7869,
44.7580

■ 42.8826, 44.7898,
49.5656

■ 22.5228, 12.4824,
44.4027

■ 47.6100, 52.8971,
50.8813

■ 21.1530, 10.8024,
44.1506

■ 52.8498, 61.9916,
52.3606

■ 20.0757, 9.6729,
43.9894

■ 58.6183, 72.1060,
54.0088

■ 19.2959, 8.9957,
43.8998

■ 64.9313, 83.2715,
55.8312

■ 67.5141, 86.9381,
56.4028

■ 68.5497, 87.4720,
56.4513

Harmonies

Analogous

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



27.6388, 26.0354, 56.9334



31.5943, 26.0354, 46.5402



33.7900, 26.0354, 32.7750

Triad

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



31.5943, 26.0354, 46.5402



26.2468, 26.0354, 10.8680



17.7604, 26.0354, 37.1025

Complementary

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



31.5943, 26.0354, 46.5402



30.1136, 39.3327, 25.0748

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.



17.4793, 26.0354, 24.3390



31.5943, 26.0354, 46.5402



22.0622, 26.0354, 11.4095

Square

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



31.5943, 26.0354, 46.5402



30.4745, 26.0354, 13.8646



18.9663, 26.0354, 15.6480



19.7843, 26.0354, 50.4847

Rectangle

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



31.5943, 26.0354, 46.5402



33.8066, 26.0354, 24.5368



18.9663, 26.0354, 15.6480



17.4686, 26.0354, 32.5351

Sweetspot

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



31.5951, 26.0365, 46.5408



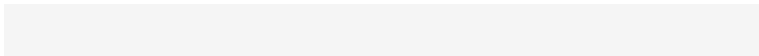
71.5117, 70.6439, 88.1612



25.3744, 25.2274, 46.7125



15.2282, 14.8856, 18.9928



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.



31.5951, 26.0365, 46.5408



53.8146, 41.6904, 83.5053



32.7437, 26.8048, 38.6340



8.6683, 8.5530, 10.7004



13.5252, 6.3083, 30.6418



0.4701, 0.2215, 0.9662

Inverse Universe

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



30.4749, 25.8973, 26.6862



51.6068, 41.4785, 41.5546



29.3581, 38.8178, 30.7058



8.5684, 8.5341, 9.2258



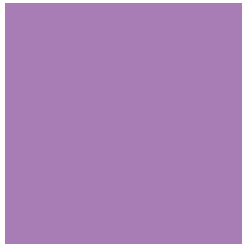
13.4084, 6.8809, 2.0446



0.4433, 0.2251, 0.1770

Previews

White Background



This preview shows how the XYZ color 31.5943, 26.0354, 46.5402 looks on a white background.

Color Contrast Check

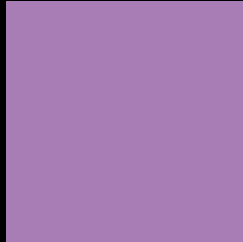
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5943, 26.0354, 46.5402 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 31.5943, 26.0354, 46.5402

Background



This preview shows how black text looks on a background with the XYZ color 31.5943, 26.0354, 46.5402.



This preview shows how white text looks on a background with the XYZ color 31.5943, 26.0354,

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

31.5943, 26.0354, 46.5402

Protanopia

26.8402, 26.2546, 52.3682

Deuteranopia

26.7130, 26.1340, 45.2314



Tritanopia

27.8991, 25.8670, 29.1136

Trichromacy



Original Color

31.5943, 26.0354, 46.5402

Protanomaly

28.2350, 25.9829, 49.9814

Deuteranomaly

28.1412, 25.8279, 45.6216

Tritanomaly

29.0298, 25.7312, 34.8891

Monochromacy



Original Color

31.5943, 26.0354, 46.5402

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.1683, 27.0979, 35.6441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5943, 26.0354, 46.5402 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(168, 124, 180)` looks like.

```
.text, #text, p{  
    color:rgb(168, 124, 180)  
}
```

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(168, 124, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 124, 180) }
```

Border

The CSS property to change the border of an element to XYZ 31.5943, 26.0354, 46.5402 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(168, 124, 180) }
```


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

```
.border{ border-color:rgb(168, 124, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 124, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 124, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 124, 180);  
box-shadow:4px 4px 4px 4px rgb(168, 124,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5943, 26.0354, 46.5402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 124, 180) }
```

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

```
.background{ background-color: rgb(168,  
124, 180) }
```

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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