

Converting Colors

XYZ(32.7355, 25.7441, 46.5616)

Have a look what the booklet for
XYZ(32.7355, 25.7441, 46.5616)
contains.

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Color

**XYZ(32.7395, 25.7190,
46.4187)**

Conversions

Conversions Part 1

Format	Color
Hex	B077B4
RGB	176, 119, 180
RGB Percent	69%, 47%, 71%
CMY	0.3098, 0.5333, 0.2941
CMYK	0.02, 0.34, 0.00, 0.29
HSL	296°, 29%, 59%
HSV	296°, 34%, 71%
XYZ	32.7395, 25.7190, 46.4187
YIQ	142.9970, 14.3910, 31.0550

Conversions

Conversions Part 2

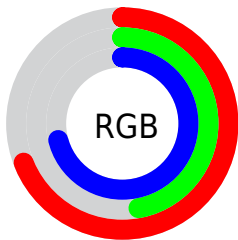
Format	Color
R_{YB}	176, 119, 180
Decimal	11564980
CIE _{Lab}	57.77, 32.52, -23.34
CIE _{LCh}	58, 40.029, 324.340
Yxy	25.7190, 0.3122, 0.2452
Android (android.graphics.Color)	4289755060 (0xFFB077B4)
YUV	142.9970, 18.2425, 28.9436
Hunter-Lab	50.7139, 26.4854, -18.7687

Details

The XYZ color **32.7395, 25.7190, 46.4187** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.8203, 38.1860, 23.3583**, and the grayscale version is **26.0334, 27.3892, 29.8268**.

A 20% lighter version of the original color is **63.1716, 52.7170, 86.2028**, and **13.9849, 9.9261, 21.2575** is the 20% darker color. If you saturate the color by 10%, you get **30.5314, 21.6967, 45.7591**, and if you desaturate by 10%, it is **35.3573, 30.5562, 47.2148**.

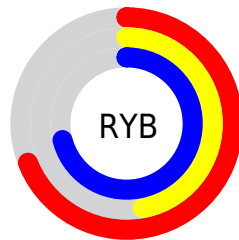
Distribution



Red (69%)

Green (47%)

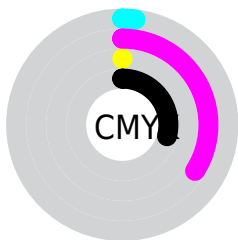
Blue (71%)



Red (69%)

Yellow (47%)

Blue (71%)

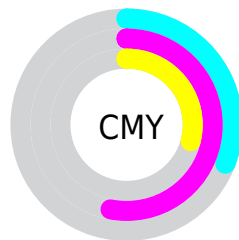


Cyan (2%)

Magenta (34%)

Yellow (0%)

Black (29%)



Cyan (31%)

Magenta (53%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7395, 25.7190, 46.4187 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 32.7395, 25.7190, 46.4187 by changing the saturation by 10% instead.

■ 32.7395, 25.7190,
46.4187

■ 32.7395, 25.7190,
46.4187

306.1601,
281.3999, 388.8158

■ 22.0852, 16.6135,
32.2253

■ 63.3260, 52.8213,
86.1861

■ 14.0365, 9.9593,
21.2674

■ 83.9890, 71.5869,
112.5973

■ 8.2279, 5.3720,
13.1265

■ 108.7189, 94.3413,
143.9181

■ 4.2942, 2.4671,
7.3839

137.8811,
121.4690, 180.5670

■ 1.8699, 0.8601,
3.6213

171.8410,
153.3543, 222.9628

■ 0.5592, 0.0000,
1.4200

210.9638,

■ 0.0000, 0.0000,

190.3816, 271.5238

0.1572

255.6151,
232.9354, 326.6686

■ 0.0000, 0.0000,
0.0000

■ 32.7395, 25.7190,
46.4187

■ 32.7395, 25.7190,
46.4187

■ 30.5314, 21.6967,
45.7591

■ 35.3573, 30.5562,
47.2148

■ 28.7074, 18.4399,
45.2266

■ 38.4035, 36.2471,
48.1527

■ 27.2433, 15.8992,
44.8133

■ 41.8985, 42.8324,
49.2396

■ 26.1106, 14.0181,
44.5099

■ 45.8609, 50.3489,
50.4816

■ 25.2769, 12.7314,
44.3055

■ 50.3081, 58.8315,
51.8845

■ 24.7030, 11.9609,
44.1871

■ 55.2566, 68.3132,
53.4538

■ 24.4290, 11.6419,
44.1399

■ 60.7222, 78.8256,
55.1948

■ 64.1129, 85.1848,
56.2436

■ 64.3998, 85.3327,
56.2570

Harmonies

Analogous

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



28.4509, 25.7190, 59.6617



32.7395, 25.7190, 46.4187



34.8312, 25.7190, 30.6932

Triad

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



32.7395, 25.7190, 46.4187



25.3671, 25.7190, 9.0725



16.9615, 25.7190, 40.3754

Complementary

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



32.7395, 25.7190, 46.4187



27.8203, 38.1860, 23.3583

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.



16.3609, 25.7190, 25.4759



32.7395, 25.7190, 46.4187



20.8342, 25.7190, 10.1611

Square

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



32.7395, 25.7190, 46.4187



30.2319, 25.7190, 11.5463



17.6852, 25.7190, 15.2448



19.4483, 25.7190, 55.4473

Rectangle

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



32.7395, 25.7190, 46.4187



34.5249, 25.7190, 21.9524



17.6852, 25.7190, 15.2448



16.5472, 25.7190, 35.0757

Sweetspot

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



32.7403, 25.7201, 46.4192



71.8912, 69.9672, 88.0106



22.9382, 21.4009, 46.1022



15.3538, 14.7754, 18.9650



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.



32.7403, 25.7201, 46.4192



56.1737, 40.8130, 83.2116



31.2167, 25.2167, 33.6059



8.7939, 8.6178, 10.7062



17.0719, 8.1367, 30.8077



0.5535, 0.2645, 0.9701

Inverse Universe

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



28.9952, 24.3281, 21.9076



48.3663, 37.9259, 31.4466



29.0742, 38.6228, 32.8872



8.5182, 8.5140, 8.9613



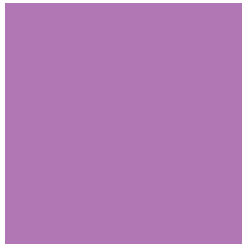
13.1918, 6.7943, 0.9042



0.4225, 0.2167, 0.0676

Previews

White Background



This preview shows how the XYZ color 32.7395, 25.7190, 46.4187 looks on a white background.

Color Contrast Check

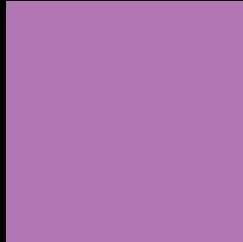
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7395, 25.7190, 46.4187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

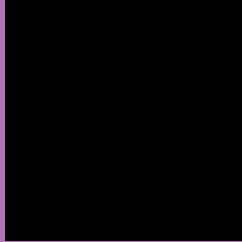
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.7395, 25.7190, 46.4187

Background



This preview shows how black text looks on a background with the XYZ color 32.7395, 25.7190, 46.4187.



This preview shows how white text looks on a background with the XYZ color 32.7395, 25.7190,

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

32.7395, 25.7190, 46.4187

Protanopia

26.7093, 25.9239, 54.6350

Deuteranopia

26.4128, 25.7692, 45.1768



Tritanopia

28.8121, 25.7905, 27.1264

Trichromacy



Original Color

32.7395, 25.7190, 46.4187

Protanomaly

28.3233, 25.3902, 51.5521

Deuteranomaly

28.4129, 25.5692, 45.5573

Tritanomaly

30.0966, 25.7378, 33.5186

Monochromacy



Original Color

32.7395, 25.7190, 46.4187

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.0434, 26.4191, 35.0738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7395, 25.7190, 46.4187 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(176, 119, 180)` looks like.

```
.text, #text, p{  
    color:rgb(176, 119, 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(176, 119, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 119, 180) }
```

Border

The CSS property to change the border of an element to XYZ 32.7395, 25.7190, 46.4187 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(176, 119, 180) }
```


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

```
.border{ border-color:rgb(176, 119, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 119, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 119, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 119, 180);  
box-shadow:4px 4px 4px 4px rgb(176, 119,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7395, 25.7190, 46.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 119, 180) }
```

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

```
.background{ background-color: rgb(176,  
119, 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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