

Converting Colors

XYZ(32.7202, 26.2717, 45.4659)

Have a look what the booklet for
XYZ(32.7202, 26.2717, 45.4659)
contains.

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Color

**XYZ(32.6746, 26.2474,
45.4636)**

Conversions

Conversions Part 1

Format	Color
Hex	AF7AB2
RGB	175, 122, 178
RGB Percent	69%, 48%, 70%
CMY	0.3137, 0.5216, 0.3020
CMYK	0.02, 0.31, 0.00, 0.30
HSL	297°, 27%, 59%
HSV	297°, 31%, 70%
XYZ	32.6746, 26.2474, 45.4636
YIQ	144.2310, 13.6120, 28.6520

Conversions

Conversions Part 2

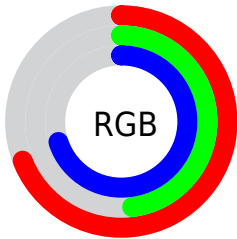
Format	Color
R _Y B	175, 122, 178
Decimal	11500210
CIE Lab	58.27, 30.13, -21.43
CIE LCh	58, 36.973, 324.575
Yxy	26.2474, 0.3130, 0.2514
Android (android.graphics.Color)	4289690290 (0xFFAF7AB2)
YUV	144.2310, 16.6481, 26.9844
Hunter-Lab	51.2322, 24.1864, -16.7515

Details

The XYZ color **32.6746, 26.2474, 45.4636** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.8916, 37.6066, 24.2024**, and the grayscale version is **26.5342, 27.9160, 30.4006**.

A 20% lighter version of the original color is **63.1363, 53.5894, 84.8580**, and **14.0451, 10.2530, 20.6408** is the 20% darker color. If you saturate the color by 10%, you get **30.4730, 22.1603, 44.7911**, and if you desaturate by 10%, it is **35.2797, 31.1382, 46.2707**.

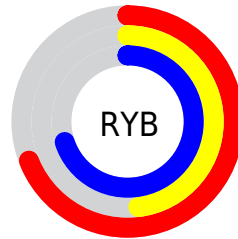
Distribution



Red (69%)

Green (48%)

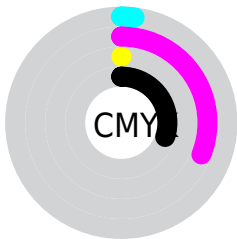
Blue (70%)



Red (69%)

Yellow (48%)

Blue (70%)

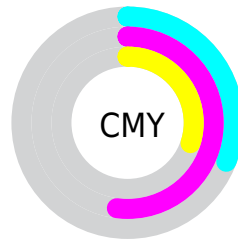


Cyan (2%)

Magenta (31%)

Yellow (0%)

Black (30%)



Cyan (31%)

Magenta (52%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6746, 26.2474, 45.4636 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 32.6746, 26.2474, 45.4636 by changing the saturation by 10% instead.

■ 32.6746, 26.2474,
45.4636

■ 32.6746, 26.2474,
45.4636

305.8719,
283.9944, 384.8627

■ 22.0353, 17.0088,
31.4771

■ 63.2253, 53.6738,
84.7415

■ 13.9996, 10.2408,
20.7009

■ 83.8673, 72.6304,
110.8699

■ 8.2021, 5.5589,
12.7165

■ 108.5744, 95.5951,
141.8829

■ 4.2774, 2.5788,
7.1052

137.7118,
122.9524, 178.1987

■ 1.8603, 0.9160,
3.4485

171.6449,
155.0865, 220.2361

■ 0.5536, 0.0000,
1.3280

210.7390,

■ 0.0000, 0.0000,

192.3820, 268.4135

0.0845

255.3596,
235.2232, 323.1495

■ 0.0000, 0.0000,
0.0000

■ 32.6746, 26.2474,
45.4636

■ 32.6746, 26.2474,
45.4636

■ 30.4730, 22.1603,
44.7911

■ 35.2797, 31.1382,
46.2707

■ 28.6505, 18.8296,
44.2443

■ 38.3060, 36.8696,
47.2175

■ 27.1839, 16.2086,
43.8157

■ 41.7731, 43.4806,
48.3108

■ 26.0466, 14.2439,
43.4964

■ 45.6989, 51.0064,
49.5565

■ 25.2080, 12.8744,
43.2763

■ 50.0999, 59.4807,
50.9602

■ 24.6320, 12.0278,
43.1432

■ 54.9922, 68.9351,
52.5273

■ 24.2837, 11.5904,
43.0771

■ 60.3908, 79.4000,
54.2627

■ 63.2363, 84.7563,
55.1466

■ 63.4633, 84.8733,
55.1572

Harmonies

Analogous

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



28.7175, 26.2474, 57.5206



32.6746, 26.2474, 45.4636



34.5797, 26.2474, 30.9841

Triad

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



32.6746, 26.2474, 45.4636



25.7736, 26.2474, 10.3398



17.8833, 26.2474, 40.1597

Complementary

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



32.6746, 26.2474, 45.4636



27.8916, 37.6066, 24.2024

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.



17.2938, 26.2474, 26.3016



32.6746, 26.2474, 45.4636



21.5225, 26.2474, 11.4601

Square

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



32.6746, 26.2474, 45.4636



30.3006, 26.2474, 12.7806



18.5459, 26.2474, 16.4973



20.2650, 26.2474, 53.8695

Rectangle

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



32.6746, 26.2474, 45.4636



34.2829, 26.2474, 22.7912



18.5459, 26.2474, 16.4973



17.4820, 26.2474, 35.2719

Sweetspot

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



32.6754, 26.2485, 45.4642



70.8408, 69.4773, 86.0579



23.4899, 22.2068, 45.1682



15.5026, 15.0270, 19.0057



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.



32.6754, 26.2485, 45.4642



56.3079, 42.1205, 81.5435



31.1310, 25.7094, 33.7781



8.8042, 8.6231, 10.7067



17.3923, 8.3019, 30.8227



0.5608, 0.2682, 0.9704

Inverse Universe

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



29.0222, 24.8659, 22.6732



48.6412, 39.2286, 33.2726



29.1565, 38.0627, 33.1142



8.5142, 8.5124, 8.9402



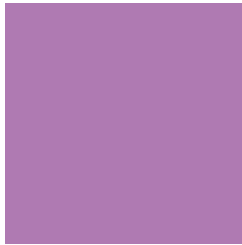
13.1818, 6.7903, 0.8512



0.4208, 0.2161, 0.0588

Previews

White Background



This preview shows how the XYZ color 32.6746, 26.2474, 45.4636 looks on a white background.

Color Contrast Check

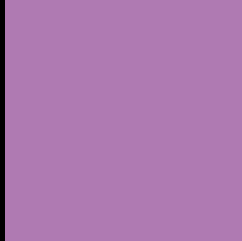
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.6746, 26.2474, 45.4636 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 32.6746, 26.2474, 45.4636

Background



This preview shows how black text looks on a background with the XYZ color 32.6746, 26.2474, 45.4636.



This preview shows how white text looks on a background with the XYZ color 32.6746, 26.2474,

45.4636.

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

32.6746, 26.2474, 45.4636

Protanopia

27.1311, 26.6186, 52.4231

Deuteranopia

26.9797, 26.5063, 44.2517



Tritanopia

29.2938, 26.4048, 28.3636

Trichromacy



Original Color

32.6746, 26.2474, 45.4636

Protanomaly

28.7521, 26.2495, 50.0056

Deuteranomaly

28.6654, 26.1211, 44.6054

Tritanomaly

30.4354, 26.2825, 34.0408

Monochromacy



Original Color

32.6746, 26.2474, 45.4636

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.3225, 26.9772, 35.1669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6746, 26.2474, 45.4636 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(175, 122, 178)` looks like.

```
.text, #text, p{  
    color:rgb(175, 122, 178)  
}
```

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(175, 122, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 122, 178) }
```

Border

The CSS property to change the border of an element to XYZ 32.6746, 26.2474, 45.4636 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(175, 122, 178) }
```


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

```
.border{ border-color:rgb(175, 122, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 122, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 122, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 122, 178);  
box-shadow:4px 4px 4px 4px rgb(175, 122,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6746, 26.2474, 45.4636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 122, 178) }
```

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

```
.background{ background-color: rgb(175,  
122, 178) }
```

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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