

Converting Colors

XYZ(32.7818, 24.3235, 56.3932)

Have a look what the booklet for
XYZ(32.7818, 24.3235, 56.3932)
contains.

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Color

**XYZ(32.7818, 24.3235,
56.3932)**

Conversions

Conversions Part 1

Format	Color
Hex	AB70C6
RGB	171, 112, 198
RGB Percent	67%, 44%, 78%
CMY	0.3294, 0.5608, 0.2235
CMYK	0.14, 0.43, 0.00, 0.22
HSL	281°, 43%, 61%
HSV	281°, 43%, 78%
XYZ	32.7818, 24.3235, 56.3932
YIQ	139.4450, 7.5580, 39.2540

Conversions

Conversions Part 2

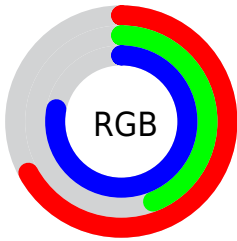
Format	Color
R_{YB}	171, 112, 198
Decimal	11235526
CIE _{Lab}	56.41, 38.53, -35.77
CIE _{LCh}	56, 52.576, 317.129
Yxy	24.3235, 0.2888, 0.2143
Android (android.graphics.Color)	4289425606 (0xFFAB70C6)
YUV	139.4450, 28.8676, 27.6737
Hunter-Lab	49.3189, 32.3393, -33.2714

Details

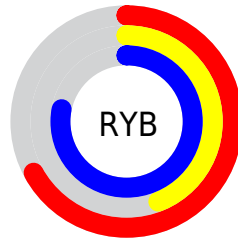
The XYZ color **32.7818, 24.3235, 56.3932** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **33.7669, 47.0476, 22.6317**, and the grayscale version is **24.6030, 25.8842, 28.1879**.

A 20% lighter version of the original color is **63.5000, 50.6242, 101.0324**, and **14.0928, 9.2408, 27.4264** is the 20% darker color. If you saturate the color by 10%, you get **29.5104, 19.7432, 55.6819**, and if you desaturate by 10%, it is **36.5990, 29.8993, 57.2686**.

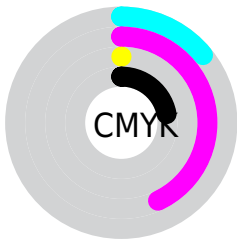
Distribution



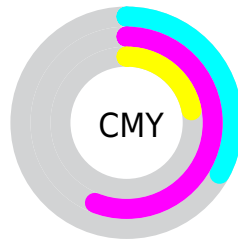
- Red (67%)
- Green (44%)
- Blue (78%)



- Red (67%)
- Yellow (44%)
- Blue (78%)



- Cyan (14%)
- Magenta (43%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (56%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7818, 24.3235, 56.3932 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 32.7818, 24.3235, 56.3932 by changing the saturation by 10% instead.

■ 32.7818, 24.3235,
56.3932

■ 32.7818, 24.3235,
56.3932

306.3478,
274.4519, 428.6015

■ 22.1178, 15.5738,
40.1122

■ 63.3917, 50.5576,
101.0708

■ 14.0606, 9.2231,
27.3115

■ 84.0682, 68.8107,
130.3044

■ 8.2448, 4.8870,
17.5728

■ 108.8130, 91.0005,
164.6926

■ 4.3051, 2.1811,
10.4775

■ 137.9914,
117.5112, 204.6539

■ 1.8761, 0.7097,
5.6070

171.9687,
148.7273, 250.6069

■ 0.5629, 0.0000,
2.5427

211.1103,

■ 0.0000, 0.0000,

185.0332, 302.9702

0.8627

255.7815,
226.8133, 362.1622

■ 0.0000, 0.0000,
0.0000

■ 32.7818, 24.3235,
56.3932

■ 32.7818, 24.3235,
56.3932

■ 29.5104, 19.7432,
55.6819

■ 36.5990, 29.8993,
57.2686

■ 26.7495, 16.0913,
55.1225

■ 40.9891, 36.5259,
58.3163

■ 24.4633, 13.2970,
54.7037

■ 45.9804, 44.2581,
59.5457

■ 22.6099, 11.2776,
54.4116

■ 51.5987, 53.1457,
60.9651

■ 21.1389, 9.9337,
54.2297

■ 57.8680, 63.2359,
62.5822

■ 20.3202, 9.2979,
54.1502

■ 64.8109, 74.5727,
64.4046

■ 72.4490, 87.1983,
66.4390

■ 75.6903, 90.9273,
66.9879

■ 77.6153, 91.9197,
67.0780

Harmonies

Analogous

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



26.7333, 24.3235, 73.0541



32.7818, 24.3235, 56.3932



36.4811, 24.3235, 34.6583

Triad

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



32.7818, 24.3235, 56.3932



25.8200, 24.3235, 5.4242



13.6548, 24.3235, 37.6119

Complementary

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



32.7818, 24.3235, 56.3932



33.7669, 47.0476, 22.6317

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.



13.4972, 24.3235, 19.7083



32.7818, 24.3235, 56.3932



19.8456, 24.3235, 5.6509

Square

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



32.7818, 24.3235, 56.3932



32.0130, 24.3235, 8.7518



15.5699, 24.3235, 9.6194



16.0464, 24.3235, 59.3536

Rectangle

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



32.7818, 24.3235, 56.3932



36.7572, 24.3235, 22.5447



15.5699, 24.3235, 9.6194



13.3557, 24.3235, 30.8577

Sweetspot

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



32.7827, 24.3245, 56.3937



81.6456, 78.7222, 105.4995



26.1425, 26.0559, 57.0779



17.0301, 16.1535, 22.4703



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.7827, 24.3245, 56.3937



52.6068, 35.4390, 98.6755



37.5512, 26.9821, 47.6121



10.7467, 10.6432, 13.4054



13.3062, 6.0938, 35.2193



0.7024, 0.3258, 1.6710

Inverse Universe

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



33.7438, 25.4591, 27.5627



54.9523, 37.9589, 39.5666



30.7579, 45.3859, 27.4819



10.7688, 10.6909, 11.7655



15.7480, 8.0488, 3.8830



0.7787, 0.3943, 0.3580

Previews

White Background



This preview shows how the XYZ color 32.7818, 24.3235, 56.3932 looks on a white background.

Color Contrast Check

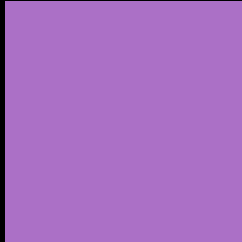
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7818, 24.3235, 56.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

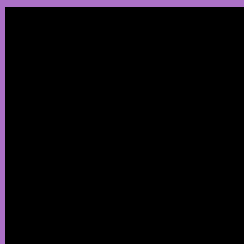
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.7818, 24.3235, 56.3932

Background



This preview shows how black text looks on a background with the XYZ color 32.7818, 24.3235, 56.3932.



This preview shows how white text looks on a background with the XYZ color 32.7818, 24.3235,

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

32.7818, 24.3235, 56.3932

Protanopia

26.4911, 24.6760, 68.3325

Deuteranopia

25.0728, 24.4559, 54.4379



Tritanopia

26.8051, 24.3807, 26.5857

Trichromacy



Original Color

32.7818, 24.3235, 56.3932

Protanomaly

27.7443, 23.8599, 63.4647

Deuteranomaly

27.1427, 23.9302, 54.8182

Tritanomaly

28.6124, 24.1773, 35.9595

Monochromacy



Original Color

32.7818, 24.3235, 56.3932

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.9579, 24.8179, 36.6272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7818, 24.3235, 56.3932 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(171, 112, 198)` looks like.

```
.text, #text, p{  
    color:rgb(171, 112, 198)  
}
```

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(171, 112, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 112, 198) }
```

Border

The CSS property to change the border of an element to XYZ 32.7818, 24.3235, 56.3932 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(171, 112, 198) }
```


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

```
.border{ border-color:rgb(171, 112, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 112, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 112, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 112, 198);  
box-shadow:4px 4px 4px 4px rgb(171, 112,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7818, 24.3235, 56.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 112, 198) }
```

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

```
.background{ background-color: rgb(171,  
112, 198) }
```

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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