

Converting Colors

XYZ(32.1692, 27.8247, 50.4275)

Have a look what the booklet for
XYZ(32.1692, 27.8247, 50.4275)
contains.

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Color

**XYZ(32.1212, 27.7718,
50.6812)**

Conversions

Conversions Part 1

Format	Color
Hex	A284BB
RGB	162, 132, 187
RGB Percent	64%, 52%, 73%
CMY	0.3647, 0.4823, 0.2667
CMYK	0.13, 0.29, 0.00, 0.27
HSL	273°, 29%, 63%
HSV	273°, 29%, 73%
XYZ	32.1212, 27.7718, 50.6812
YIQ	147.2400, 0.2250, 23.4650

Conversions

Conversions Part 2

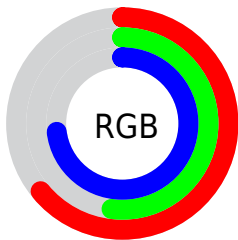
Format	Color
RYB	162, 132, 187
Decimal	10650811
CIELab	59.68, 22.06, -24.51
CIElCh	60, 32.976, 311.985
Yxy	27.7718, 0.2905, 0.2512
Android (android.graphics.Color)	4288840891 (0xFFA284BB)
YUV	147.2400, 19.6017, 12.9445
Hunter-Lab	52.6990, 16.5766, -20.1306

Details

The XYZ color **32.1212, 27.7718, 50.6812** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **35.8407, 44.3754, 28.5074**, and the grayscale version is **27.7546, 29.2000, 31.7988**.

A 20% lighter version of the original color is **62.1419, 55.9207, 92.3126**, and **13.7508, 11.0708, 23.9664** is the 20% darker color. If you saturate the color by 10%, you get **28.1405, 22.2872, 49.8328**, and if you desaturate by 10%, it is **36.6750, 34.2279, 51.6878**.

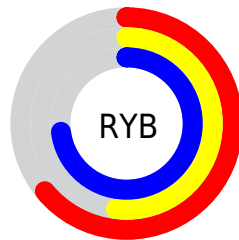
Distribution



Red (64%)

Green (52%)

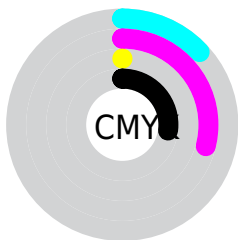
Blue (73%)



Red (64%)

Yellow (52%)

Blue (73%)

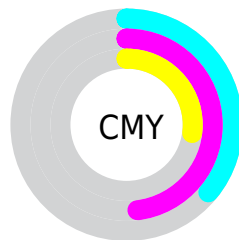


Cyan (13%)

Magenta (29%)

Yellow (0%)

Black (27%)



Cyan (36%)

Magenta (48%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1212, 27.7718, 50.6812 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 32.1212, 27.7718, 50.6812 by changing the saturation by 10% instead.

■ 32.1212, 27.7718,
50.6812

■ 32.1212, 27.7718,
50.6812

303.4065,
291.3749, 406.1350

■ 21.6101, 18.1537,
35.5800

■ 62.3650, 56.1199,
92.5900

■ 13.6857, 11.0604,
23.8229

■ 82.8283, 75.6187,
120.2347

■ 7.9826, 6.1075,
14.9913

■ 107.3398, 99.1799,
152.8977

■ 4.1355, 2.9105,
8.6667

136.2647,
127.1878, 190.9974

■ 1.7791, 1.0852,
4.4306

169.9685,
160.0268, 234.9525

■ 0.5050, 0.0000,
1.8644

208.8165,

■ 0.0000, 0.0000,

198.0815, 285.1814

0.4700

253.1740,
241.7360, 342.1028

■ 0.0000, 0.0000,
0.0000

■ 32.1212, 27.7718,
50.6812

■ 32.1212, 27.7718,
50.6812

■ 28.1405, 22.2872,
49.8328

■ 36.6750, 34.2279,
51.6878

■ 24.7036, 17.7209,
49.1326

■ 41.8238, 41.6982,
52.8583

■ 21.7825, 14.0198,
48.5721

■ 47.5917, 50.2270,
54.2005

■ 19.3452, 11.1236,
48.1416

■ 54.0006, 59.8547,
55.7211

■ 17.3557, 8.9640,
47.8296

■ 61.0712, 70.6197,
57.4263

15.7721, 7.4608,
47.6229

68.8232, 82.5587,
59.3222

14.5181, 6.4660,
47.4970

74.7018, 90.5591,
60.5566

14.4491, 6.4126,
47.4903

77.3638, 91.9314,
60.6811

80.1588, 93.3722,
60.8119

Harmonies

Analogous

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



28.0936, 27.7718, 58.6649



32.1212, 27.7718, 50.6812



34.7639, 27.7718, 37.8975

Triad

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



32.1212, 27.7718, 50.6812



28.9501, 27.7718, 13.2571



19.3147, 27.7718, 35.2534

Complementary

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



32.1212, 27.7718, 50.6812



35.8407, 44.3754, 28.5074

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.



19.4922, 27.7718, 23.6884



32.1212, 27.7718, 50.6812



24.7687, 27.7718, 12.9001

Square

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



32.1212, 27.7718, 50.6812



32.8047, 27.7718, 17.3497



21.3955, 27.7718, 16.1985



20.8820, 27.7718, 48.3127

Rectangle

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



32.1212, 27.7718, 50.6812



35.2317, 27.7718, 29.4517



21.3955, 27.7718, 16.1985



19.1772, 27.7718, 31.0397

Sweetspot

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



32.1221, 27.7730, 50.6818



75.1645, 75.0602, 94.7279



30.6565, 32.8346, 51.7361



16.2392, 16.0709, 20.7887



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



32.1221, 27.7730, 50.6818



53.0223, 43.4930, 89.8018



37.5201, 30.5783, 49.9164



9.5004, 9.4748, 12.0003



10.0396, 4.4617, 32.7249



0.4678, 0.2132, 1.2853

Inverse Universe

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



34.8315, 29.5028, 35.7583



58.8033, 47.1779, 58.2332



31.5785, 42.1635, 28.9686



9.7056, 9.6065, 10.8388



15.2855, 7.7454, 6.7971



0.6318, 0.3166, 0.4401

Previews

White Background



This preview shows how the XYZ color 32.1212, 27.7718, 50.6812 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 32.1212, 27.7718, 50.6812 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 32.1212, 27.7718, 50.6812

Background



This preview shows how black text looks on a background with the XYZ color 32.1212, 27.7718, 50.6812.



This preview shows how white text looks on a background with the XYZ color 32.1212, 27.7718,

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

32.1212, 27.7718, 50.6812

Protanopia

28.5766, 27.9533, 55.5191

Deuteranopia

28.4352, 27.7868, 49.7636



Tritanopia

28.4479, 27.7352, 32.7082

Trichromacy



Original Color

32.1212, 27.7718, 50.6812

Protanomaly

29.5874, 27.6454, 53.6459

Deuteranomaly

29.6285, 27.7419, 50.2475

Tritanomaly

29.5156, 27.5218, 38.4069

Monochromacy



Original Color

32.1212, 27.7718, 50.6812

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.1435, 28.6300, 38.1725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1212, 27.7718, 50.6812 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(162, 132, 187)` looks like.

```
.text, #text, p{  
    color:rgb(162, 132, 187)  
}
```

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(162, 132, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 132, 187) }
```

Border

The CSS property to change the border of an element to XYZ 32.1212, 27.7718, 50.6812 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(162, 132, 187) }
```


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

```
.border{ border-color:rgb(162, 132, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 132, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 132, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 132, 187);  
box-shadow:4px 4px 4px 4px rgb(162, 132,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1212, 27.7718, 50.6812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 132, 187) }
```

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

```
.background{ background-color: rgb(162,  
132, 187) }
```

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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