

Converting Colors

XYZ(31.9300, 27.0863, 45.9285)

Have a look what the booklet for
XYZ(31.9300, 27.0863, 45.9285)
contains.

XYZ(32.1354, 27.2800, 46.2197)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.1354, 27.2800,
46.2197)**

Conversions

Conversions Part 1

Format	Color
Hex	A881B3
RGB	168, 129, 179
RGB Percent	66%, 51%, 70%
CMY	0.3412, 0.4941, 0.2980
CMYK	0.06, 0.28, 0.00, 0.30
HSL	287°, 25%, 60%
HSV	287°, 28%, 70%
XYZ	32.1354, 27.2800, 46.2197
YIQ	146.3610, 7.1940, 23.8180

Conversions

Conversions Part 2

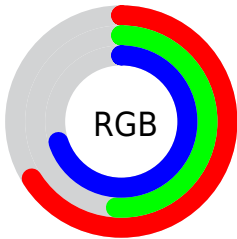
Format	Color
R_{YB}	168, 129, 179
Decimal	11043251
CIE _{Lab}	59.23, 24.05, -20.60
CIE _{LCh}	59, 31.663, 319.418
Yxy	27.2800, 0.3042, 0.2582
Android (android.graphics.Color)	4289233331 (0xFFA881B3)
YUV	146.3610, 16.0910, 18.9774
Hunter-Lab	52.2303, 18.4217, -15.9058

Details

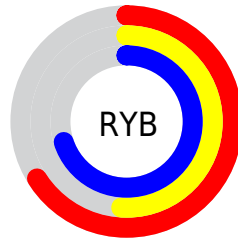
The XYZ color **32.1354, 27.2800, 46.2197** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.8987, 39.4013, 26.7468**, and the grayscale version is **27.4044, 28.8315, 31.3975**.

A 20% lighter version of the original color is **62.4638, 55.3013, 85.9793**, and **13.6321, 10.7432, 21.0938** is the 20% darker color. If you saturate the color by 10%, you get **29.1555, 22.5455, 45.4633**, and if you desaturate by 10%, it is **35.5555, 32.8560, 47.1161**.

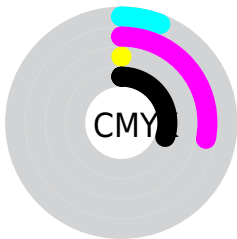
Distribution



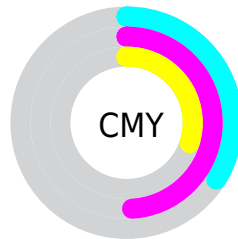
- Red (66%)
- Green (51%)
- Blue (70%)



- Red (66%)
- Yellow (51%)
- Blue (70%)



- Cyan (6%)
- Magenta (28%)
- Yellow (0%)
- Black (30%)



- Cyan (34%)
- Magenta (49%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1354, 27.2800, 46.2197 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 32.1354, 27.2800, 46.2197 by changing the saturation by 10% instead.

■ 32.1354, 27.2800,
46.2197

■ 32.1354, 27.2800,
46.2197

303.4699,
289.0103, 387.9944

■ 21.6210, 17.7836,
32.0693

■ 62.3871, 55.3329,
85.8854

■ 13.6937, 10.7948,
21.1492

■ 82.8550, 74.6581,
112.2379

■ 7.9882, 5.9290,
13.0408

■ 107.3715, 98.0285,
143.4947

■ 4.1392, 2.8019,
7.3256

136.3020,
125.8283, 180.0746

■ 1.7812, 1.0292,
3.5850

170.0117,
158.4420, 222.3959

■ 0.5063, 0.0000,
1.4006

208.8660,

■ 0.0000, 0.0000,

196.2540, 270.8773

0.1422

253.2303,
239.6486, 325.9373

■ 0.0000, 0.0000,
0.0000

■ 32.1354, 27.2800,
46.2197

■ 32.1354, 27.2800,
46.2197

■ 29.1555, 22.5455,
45.4633

■ 35.5555, 32.8560,
47.1161

■ 26.5913, 18.6057,
44.8380

■ 39.4333, 39.3101,
48.1575

■ 24.4201, 15.4148,
44.3365

■ 43.7887, 46.6808,
49.3507

■ 22.6156, 12.9205,
43.9502

■ 48.6394, 55.0035,
50.7014

■ 21.1481, 11.0640,
43.6692

■ 54.0022, 64.3116,
52.2154

■ 19.9831, 9.7765,
43.4821

■ 59.8932, 74.6367,
53.8979

■ 19.0657, 8.9485,
43.3706

■ 66.3278, 86.0094,
55.7539

■ 18.8882, 8.7973,
43.3508

■ 67.5843, 86.9861,
55.8762

■ 68.6463, 87.5336,
55.9259

Harmonies

Analogous

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



28.5367, 27.2800, 55.3031



32.1354, 27.2800, 46.2197



34.1342, 27.2800, 33.8797

Triad

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



32.1354, 27.2800, 46.2197



27.3488, 27.2800, 13.0416



19.4051, 27.2800, 37.5374

Complementary

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



32.1354, 27.2800, 46.2197



30.8987, 39.4013, 26.7468

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.



19.1566, 27.2800, 25.8850



32.1354, 27.2800, 46.2197



23.4849, 27.2800, 13.5491

Square

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



32.1354, 27.2800, 46.2197



31.1902, 27.2800, 16.0567



20.5777, 27.2800, 17.6810



21.2951, 27.2800, 49.4750

Rectangle

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



32.1354, 27.2800, 46.2197



34.1665, 27.2800, 26.2843



20.5777, 27.2800, 17.6810



19.1347, 27.2800, 33.4066

Sweetspot

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



32.1363, 27.2812, 46.2203



70.4734, 70.1508, 86.2073



26.6668, 26.8746, 46.4301



15.3718, 15.1369, 19.0338



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.



32.1363, 27.2812, 46.2203



53.9231, 43.0622, 81.8510



33.2939, 28.0263, 39.5719



8.6635, 8.5506, 10.7001



13.4043, 6.2460, 30.6361



0.4672, 0.2199, 0.9661

Inverse Universe

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



31.1752, 27.1788, 28.4150



52.0153, 42.9184, 43.8264



30.0818, 38.8711, 31.6411



8.5704, 8.5349, 9.2360



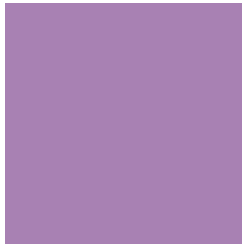
13.4207, 6.8858, 2.1095



0.4441, 0.2254, 0.1812

Previews

White Background



This preview shows how the XYZ color 32.1354, 27.2800, 46.2197 looks on a white background.

Color Contrast Check

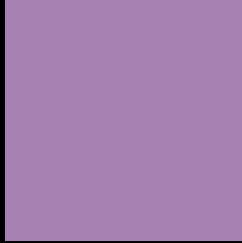
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1354, 27.2800, 46.2197 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 32.1354, 27.2800, 46.2197

Background



This preview shows how black text looks on a background with the XYZ color 32.1354, 27.2800, 46.2197.



This preview shows how white text looks on a background with the XYZ color 32.1354, 27.2800,

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

32.1354, 27.2800, 46.2197

Protanopia

27.8079, 27.4264, 51.4051

Deuteranopia

27.9614, 27.4195, 45.4137



Tritanopia

28.9565, 27.1898, 30.9161

Trichromacy



Original Color

32.1354, 27.2800, 46.2197

Protanomaly

29.2042, 27.3234, 49.6337

Deuteranomaly

29.4177, 27.3067, 45.8397

Tritanomaly

30.0761, 27.2430, 36.0210

Monochromacy



Original Color

32.1354, 27.2800, 46.2197

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.8761, 28.0948, 36.2487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1354, 27.2800, 46.2197 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, 129, 179)` looks like.

```
.text, #text, p{  
    color:rgb(168, 129, 179)  
}
```

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, 129, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 129, 179) }
```

Border

The CSS property to change the border of an element to XYZ 32.1354, 27.2800, 46.2197 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, 129, 179) }
```


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

```
.border{ border-color:rgb(168, 129, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 129, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 129, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 129, 179);  
box-shadow:4px 4px 4px 4px rgb(168, 129,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1354, 27.2800, 46.2197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 129, 179) }
```

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

```
.background{ background-color: rgb(168,  
129, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor