

Converting Colors

XYZ(32.1229, 17.1982, 78.7183)

Have a look what the booklet for
XYZ(32.1229, 17.1982, 78.7183)
contains.

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Color

**XYZ(32.2083, 17.2266,
78.7183)**

Conversions

Conversions Part 1

Format	Color
Hex	A73BE9
RGB	167, 59, 233
RGB Percent	65%, 23%, 91%
CMY	0.3451, 0.7686, 0.0863
CMYK	0.28, 0.75, 0.00, 0.09
HSL	277°, 80%, 57%
HSV	277°, 75%, 91%
XYZ	32.2083, 17.2266, 78.7183
YIQ	111.1280, 8.5140, 77.0100

Conversions

Conversions Part 2

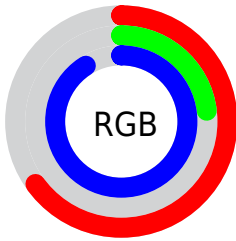
Format	Color
RYB	167, 59, 233
Decimal	10959849
CIELab	48.54, 70.38, -68.22
CIElCh	49, 98.016, 315.894
Yxy	17.2266, 0.2513, 0.1344
Android (android.graphics.Color)	4289149929 (0xFFA73BE9)
YUV	111.1280, 60.0829, 48.9997
Hunter-Lab	41.5049, 65.8844, -83.3960

Details

The XYZ color **32.2083, 17.2266, 78.7183** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **38.3859, 62.9538, 14.2662**, and the grayscale version is **14.9768, 15.7568, 17.1592**.

A 20% lighter version of the original color is **55.9739, 36.0417, 98.6143**, and **14.0208, 6.3227, 41.5557** is the 20% darker color. If you saturate the color by 10%, you get **29.4631, 14.4129, 78.3202**, and if you desaturate by 10%, it is **35.6167, 21.1751, 79.3011**.

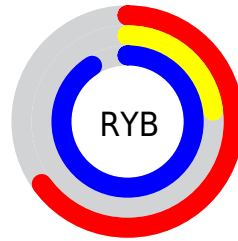
Distribution



Red (65%)

Green (23%)

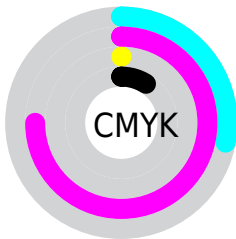
Blue (91%)



Red (65%)

Yellow (23%)

Blue (91%)

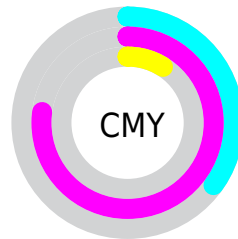


Cyan (28%)

Magenta (75%)

Yellow (0%)

Black (9%)



Cyan (35%)

Magenta (77%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2083, 17.2266, 78.7183 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 32.2083, 17.2266, 78.7183 by changing the saturation by 10% instead.

■ 32.2083, 17.2266,
78.7183

■ 32.2083, 17.2266,
78.7183

303.7955,
236.4748, 510.1953

■ 21.6770, 10.3962,
58.1443

■ 62.5005, 38.7150,
133.3573

■ 13.7350, 5.6624,
41.5092

■ 82.9921, 54.1417,
168.2593

■ 8.0171, 2.6409,
28.3945

■ 107.5344, 73.2027,
208.7744

■ 4.1578, 0.9473,
18.3816

■ 136.4929, 96.2823,
255.3212

■ 1.7918, 0.0000,
11.0520

■ 170.2329,
123.7649, 308.3181

■ 0.5127, 0.0000,
5.9872

209.1198,

■ 0.0000, 0.0000,

156.0349, 368.1837

2.7687

253.5189,
193.4768, 435.3366

■ 0.0000, 0.0000,
0.9778

■ 0.0000, 0.0000,
0.0000

■ 32.2083, 17.2266,
78.7183

■ 32.2083, 17.2266,
78.7183

■ 29.4631, 14.4129,
78.3202

■ 35.6167, 21.1751,
79.3011

■ 27.2988, 12.5765,
78.0798

■ 39.7513, 26.3839,
80.0886

■ 26.3189, 11.8688,
77.9949

■ 44.6696, 32.9635,
81.0994

■ 50.4222, 41.0115,
82.3496

57.0549, 50.6164,
83.8540

64.6101, 61.8595,
85.6259

73.1273, 74.8165,
87.6779

82.6432, 89.5580,
90.0218

88.6646, 97.0943,
91.1591

Harmonies

Analogous

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



21.5845, 17.2266, 118.2054



32.2083, 17.2266, 78.7183



39.5451, 17.2266, 33.6147

Triad

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



32.2083, 17.2266, 78.7183



20.9637, 17.2266, 0.0000



4.7321, 17.2266, 35.8665

Complementary

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



32.2083, 17.2266, 78.7183



38.3859, 62.9538, 14.2662

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.



4.6712, 17.2266, 9.0850



32.2083, 17.2266, 78.7183



12.0767, 17.2266, 0.0000

Square

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



32.2083, 17.2266, 78.7183



31.6127, 17.2266, 0.9310



6.8256, 17.2266, 1.0870



7.0408, 17.2266, 81.5970

Rectangle

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



32.2083, 17.2266, 78.7183



40.3249, 17.2266, 14.1141



6.8256, 17.2266, 1.0870



4.4872, 17.2266, 24.3201

Sweetspot

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



32.2091, 17.2272, 78.7187



72.2907, 65.4661, 103.4338



23.9346, 21.6586, 80.0102



14.9579, 13.2530, 22.0197



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.



32.2091, 17.2272, 78.7187



34.5464, 16.2563, 95.9247



47.1408, 25.2408, 65.1391



15.1293, 15.0119, 19.0224



15.0759, 6.8078, 44.2624



1.2902, 0.5894, 3.4806

Inverse Universe

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



38.8702, 21.9325, 21.5867



44.5537, 23.1590, 17.6119



32.3651, 59.7769, 17.2872



15.3018, 15.1486, 16.8748



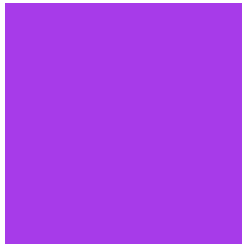
20.1318, 10.2554, 6.4954



1.6263, 0.8235, 0.7497

Previews

White Background



This preview shows how the XYZ color 32.2083, 17.2266, 78.7183 looks on a white background.

Color Contrast Check

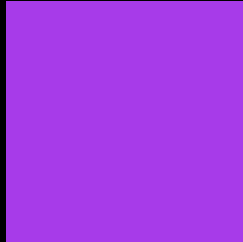
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.2083, 17.2266, 78.7183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

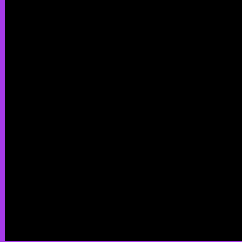
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.2083, 17.2266, 78.7183

Background



This preview shows how black text looks on a background with the XYZ color 32.2083, 17.2266, 78.7183.



This preview shows how white text looks on a background with the XYZ color 32.2083, 17.2266,

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

32.2083, 17.2266, 78.7183

Protanopia

20.6798, 17.3670, 80.8595

Deuteranopia

17.6190, 17.4131, 60.8250



Tritanopia

19.6736, 17.1593, 17.3141

Trichromacy



Original Color

32.2083, 17.2266, 78.7183



Protanomaly

20.6029, 14.5869, 79.5716



Deuteranomaly

18.5938, 14.4994, 66.7844



Tritanomaly

22.7325, 16.2160, 32.9422

Monochromacy



Original Color

32.2083, 17.2266, 78.7183



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

19.1036, 14.8461, 32.8691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2083, 17.2266, 78.7183 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(167, 59, 233)` looks like.

```
.text, #text, p{  
  color:rgb(167, 59, 233)  
}
```

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(167, 59, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 59, 233) }
```

Border

The CSS property to change the border of an element to XYZ 32.2083, 17.2266, 78.7183 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(167, 59, 233) }
```


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

```
.border{ border-color:rgb(167, 59, 233) }
```

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

Here you see how a box with a 4 pixel rgb(167, 59, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 59, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 59, 233);  
box-shadow:4px 4px 4px 4px rgb(167, 59,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2083, 17.2266, 78.7183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 59, 233) }
```

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

```
.background{ background-color: rgb(167, 59,  
233) }
```

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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