

Converting Colors

XYZ(32.7493, 19.8685, 72.2931)

Have a look what the booklet for
XYZ(32.7493, 19.8685, 72.2931)
contains.

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Color

**XYZ(32.8340, 19.8514,
72.6222)**

Conversions

Conversions Part 1

Format	Color
Hex	A952E0
RGB	169, 82, 224
RGB Percent	66%, 32%, 88%
CMY	0.3372, 0.6784, 0.1216
CMYK	0.25, 0.63, 0.00, 0.12
HSL	277°, 70%, 60%
HSV	277°, 63%, 88%
XYZ	32.8340, 19.8514, 72.6222
YIQ	124.2010, 6.2700, 62.6060

Conversions

Conversions Part 2

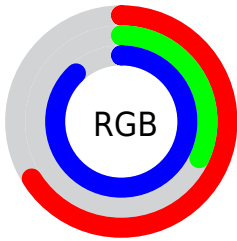
Format	Color
R_{YB}	169, 82, 224
Decimal	11096800
CIE _{Lab}	51.67, 59.16, -58.07
CIE _{LCh}	52, 82.896, 315.529
Yxy	19.8514, 0.2620, 0.1584
Android (android.graphics.Color)	4289286880 (0xFFA952E0)
YUV	124.2010, 49.2009, 39.2887
Hunter-Lab	44.5549, 53.5715, -65.4512

Details

The XYZ color **32.8340, 19.8514, 72.6222** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **38.4956, 59.2393, 17.3886**, and the grayscale version is **19.0656, 20.0585, 21.8437**.

A 20% lighter version of the original color is **58.5327, 41.1592, 99.4673**, and **14.0766, 6.9252, 37.6406** is the 20% darker color. If you saturate the color by 10%, you get **29.6123, 16.0794, 72.0643**, and if you desaturate by 10%, it is **36.7320, 24.7908, 73.3705**.

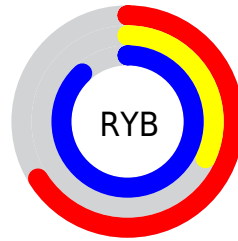
Distribution



Red (66%)

Green (32%)

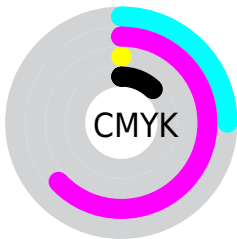
Blue (88%)



Red (66%)

Yellow (32%)

Blue (88%)

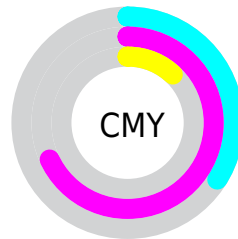


Cyan (25%)

Magenta (63%)

Yellow (0%)

Black (12%)



Cyan (34%)

Magenta (68%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8340, 19.8514, 72.6222 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 32.8340, 19.8514, 72.6222 by changing the saturation by 10% instead.

■ 32.8340, 19.8514,
72.6222

■ 32.8340, 19.8514,
72.6222

306.5793,
251.1095, 488.7400

■ 22.1579, 12.2871,
53.1772

■ 63.4727, 43.1679,
124.6567

■ 14.0902, 6.9395,
37.5555

■ 84.1660, 59.6889,
158.0832

■ 8.2656, 3.4243,
25.3387

■ 108.9292, 79.9642,
197.0072

■ 4.3186, 1.3571,
16.1083

■ 138.1275,
104.3782, 241.8474

■ 1.8839, 0.1847,
9.4456

■ 172.1263,
133.3154, 293.0222

■ 0.5675, 0.0000,
4.9322

211.2909,

■ 0.0000, 0.0000,

167.1600, 350.9502

2.1495

255.9868,
206.2966, 416.0500

■ 0.0000, 0.0000,
0.6450

■ 0.0000, 0.0000,
0.0000

■ 32.8340, 19.8514,
72.6222

■ 32.8340, 19.8514,
72.6222

■ 29.6123, 16.0794,
72.0643

■ 36.7320, 24.7908,
73.3705

■ 27.0061, 13.3594,
71.6766


■ 41.3545, 30.9933,
74.3241


■ 24.9460, 11.5553,
71.4370


■ 46.7477, 38.5472,
75.4979

■ 23.8108, 10.7207,
71.3357


■ 52.9531, 47.5319,
76.9050

 60.0087, 58.0207,
78.5577

 67.9503, 70.0817,
80.4671

 76.8113, 83.7787,
82.6439

 84.6123, 95.1500,
84.4276

 87.6026, 96.6916,
84.5676

Harmonies

Analogous

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



23.5113, 19.8514, 103.3300



32.8340, 19.8514, 72.6222



39.1251, 19.8514, 35.2929

Triad

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



32.8340, 19.8514, 72.6222



23.1804, 19.8514, 0.6165



7.2250, 19.8514, 36.4453

Complementary

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



32.8340, 19.8514, 72.6222



38.4956, 59.2393, 17.3886

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.



7.1846, 19.8514, 12.0249



32.8340, 19.8514, 72.6222



14.8805, 19.8514, 0.6442

Square

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



32.8340, 19.8514, 72.6222



32.5309, 19.8514, 2.5894



9.5590, 19.8514, 2.7385



9.6931, 19.8514, 73.9808

Rectangle

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



32.8340, 19.8514, 72.6222



39.8376, 19.8514, 17.4724



9.5590, 19.8514, 2.7385



6.9582, 19.8514, 26.3650

Sweetspot

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



32.8349, 19.8522, 72.6227



74.9240, 69.5009, 104.0738



26.1385, 25.5837, 74.0819



15.4689, 14.0363, 22.1439



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.



32.8349, 19.8522, 72.6227



38.5374, 20.2748, 96.4900



45.3662, 26.5256, 63.5716



13.7542, 13.6568, 17.2988



13.9918, 6.3083, 41.5285



1.0691, 0.4884, 2.8832

Inverse Universe

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



38.2736, 23.6886, 26.2223



47.3820, 26.4039, 25.9894



32.2564, 55.9538, 20.2154



13.9259, 13.7880, 15.3799



18.9411, 9.6434, 6.3557



1.3558, 0.6856, 0.6665

Previews

White Background



This preview shows how the XYZ color 32.8340, 19.8514, 72.6222 looks on a white background.

Color Contrast Check

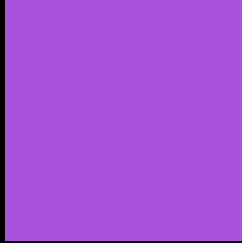
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8340, 19.8514, 72.6222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

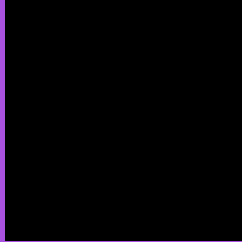
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8340, 19.8514, 72.6222

Background



This preview shows how black text looks on a background with the XYZ color 32.8340, 19.8514, 72.6222.



This preview shows how white text looks on a background with the XYZ color 32.8340, 19.8514,

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

32.8340, 19.8514, 72.6222

Protanopia

24.3264, 20.2855, 95.5619

Deuteranopia

20.8550, 20.2059, 67.7667



Tritanopia

22.1943, 19.6442, 20.7111

Trichromacy



Original Color

32.8340, 19.8514, 72.6222



Protanomaly

23.1055, 17.7110, 86.2052



Deuteranomaly

22.5692, 18.2759, 69.3559



Tritanomaly

24.9258, 19.0451, 34.7101

Monochromacy



Original Color

32.8340, 19.8514, 72.6222



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

22.6290, 19.0508, 35.7422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8340, 19.8514, 72.6222 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(169, 82, 224)` looks like.

```
.text, #text, p{  
    color:rgb(169, 82, 224)  
}
```

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(169, 82, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 82, 224) }
```

Border

The CSS property to change the border of an element to XYZ 32.8340, 19.8514, 72.6222 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(169, 82, 224) }
```


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

```
.border{ border-color:rgb(169, 82, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 82, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 82, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 82, 224);  
box-shadow:4px 4px 4px 4px rgb(169, 82,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8340, 19.8514, 72.6222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 82, 224) }
```

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

```
.background{ background-color: rgb(169, 82,  
224) }
```

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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