

Converting Colors

XYZ(32.1341, 18.4516, 72.3889)

Have a look what the booklet for
XYZ(32.1341, 18.4516, 72.3889)
contains.

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Color

**XYZ(32.1341, 18.4516,
72.3889)**

Conversions

Conversions Part 1

Format	Color
Hex	A948E0
RGB	169, 72, 224
RGB Percent	66%, 28%, 88%
CMY	0.3372, 0.7176, 0.1216
CMYK	0.25, 0.68, 0.00, 0.12
HSL	278°, 71%, 58%
HSV	278°, 68%, 88%
XYZ	32.1341, 18.4516, 72.3889
YIQ	118.3310, 9.0200, 67.8360

Conversions

Conversions Part 2

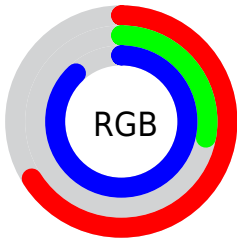
Format	Color
RYB	169, 72, 224
Decimal	11094240
CIELab	50.04, 63.67, -60.69
CIELCh	50, 87.963, 316.370
Yxy	18.4516, 0.2613, 0.1500
Android (android.graphics.Color)	4289284320 (0xFFA948E0)
YUV	118.3310, 52.0948, 44.4367
Hunter-Lab	42.9553, 58.3608, -69.8476

Details

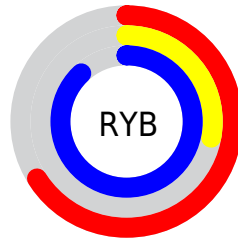
The XYZ color **32.1341, 18.4516, 72.3889** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **36.5782, 58.2916, 15.4550**, and the grayscale version is **17.1642, 18.0581, 19.6653**.

A 20% lighter version of the original color is **57.6343, 38.8927, 99.0771**, and **13.7500, 6.2719, 37.5317** is the 20% darker color. If you saturate the color by 10%, you get **29.2556, 15.1957, 71.9125**, and if you desaturate by 10%, it is **35.6493, 22.8189, 73.0469**.

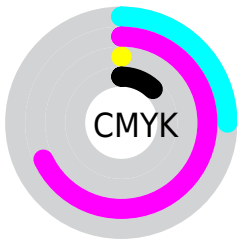
Distribution



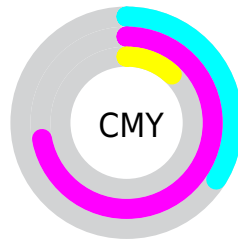
- Red (66%)
- Green (28%)
- Blue (88%)



- Red (66%)
- Yellow (28%)
- Blue (88%)



- Cyan (25%)
- Magenta (68%)
- Yellow (0%)
- Black (12%)



- Cyan (34%)
- Magenta (72%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1341, 18.4516, 72.3889 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 32.1341, 18.4516, 72.3889 by changing the saturation by 10% instead.

■ 32.1341, 18.4516,
72.3889

■ 32.1341, 18.4516,
72.3889

303.4641,
243.4043, 487.9080

■ 21.6200, 11.2747,
52.9876

■ 62.3850, 40.8054,
124.3221

■ 13.6930, 6.2519,
37.4053

■ 82.8526, 56.7510,
157.6912

■ 7.9877, 2.9989,
25.2232

■ 107.3686, 76.3883,
196.5533

■ 4.1388, 1.1311,
16.0229

■ 136.2985,
100.1018, 241.3270

■ 1.7810, 0.0044,
9.3858

■ 170.0077,
128.2757, 292.4307

■ 0.5062, 0.0000,
4.8934

208.8614,

■ 0.0000, 0.0000,

161.2945, 350.2831

2.1272

253.2251,
199.5426, 415.3027

■ 0.0000, 0.0000,
0.6319

■ 0.0000, 0.0000,
0.0000

■ 32.1341, 18.4516,
72.3889

■ 32.1341, 18.4516,
72.3889

■ 29.2556, 15.1957,
71.9125

■ 35.6493, 22.8189,
73.0469

■ 26.9489, 12.9272,
71.5962

■ 39.8520, 28.3994,
73.9026

■ 25.1288, 11.4775,
71.4123

■ 44.7902, 35.2853,
74.9714

■ 24.7735, 11.2170,
71.3808

■ 50.5065, 43.5593,
76.2672

■ 57.0400, 53.2968,
77.8024

■ 64.4271, 64.5680,
79.5886

■ 72.7017, 77.4384,
81.6367

■ 81.8958, 91.9695,
83.9569

■ 85.8150, 95.7700,
84.4839

Harmonies

Analogous

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



22.5306, 18.4516, 106.0631



32.1341, 18.4516, 72.3889



38.5585, 18.4516, 33.1824

Triad

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



32.1341, 18.4516, 72.3889



21.6549, 18.4516, 0.0552



6.1063, 18.4516, 36.2784

Complementary

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



32.1341, 18.4516, 72.3889



36.5782, 58.2916, 15.4550

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.



6.0073, 18.4516, 10.9942



32.1341, 18.4516, 72.3889



13.3430, 18.4516, 0.1312

Square

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



32.1341, 18.4516, 72.3889



31.3181, 18.4516, 1.7210



8.2056, 18.4516, 2.0454



8.5413, 18.4516, 76.1518

Rectangle

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



32.1341, 18.4516, 72.3889



39.1661, 18.4516, 15.3549



8.2056, 18.4516, 2.0454



5.8339, 18.4516, 25.7120

Sweetspot

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



32.1349, 18.4523, 72.3893



74.4166, 68.3323, 103.8750



23.8121, 22.1291, 73.5377



15.3884, 13.8187, 22.1062



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.



32.1349, 18.4523, 72.3893



38.0091, 19.1058, 96.2922



43.9254, 24.8294, 59.4372



13.7889, 13.6747, 17.3004



14.5500, 6.5961, 41.5547



1.1055, 0.5072, 2.8849

Inverse Universe

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



36.8891, 22.0149, 22.3841



45.9023, 24.8457, 21.1767



31.2721, 55.4669, 19.2451



13.9112, 13.7821, 15.3023



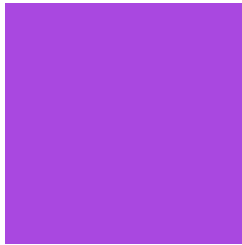
18.8091, 9.5906, 5.6605



1.3456, 0.6815, 0.6130

Previews

White Background



This preview shows how the XYZ color 32.1341, 18.4516, 72.3889 looks on a white background.

Color Contrast Check

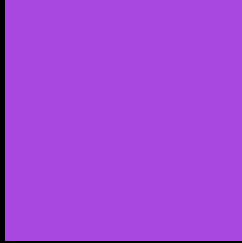
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1341, 18.4516, 72.3889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

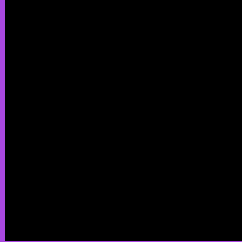
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.1341, 18.4516, 72.3889

Background



This preview shows how black text looks on a background with the XYZ color 32.1341, 18.4516, 72.3889.



This preview shows how white text looks on a background with the XYZ color 32.1341, 18.4516,

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

32.1341, 18.4516, 72.3889

Protanopia

22.4599, 18.7931, 88.0316

Deuteranopia

19.3343, 18.7002, 66.8805



Tritanopia

21.1147, 18.3325, 18.6453

Trichromacy



Original Color

32.1341, 18.4516, 72.3889



Protanomaly

21.6724, 16.0302, 82.0726



Deuteranomaly

20.1776, 16.1402, 68.3816



Tritanomaly

24.0196, 17.6411, 33.1494

Monochromacy



Original Color

32.1341, 18.4516, 72.3889



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

21.0560, 17.0600, 34.0814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1341, 18.4516, 72.3889 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, 72, 224)` looks like.

```
.text, #text, p{  
    color:rgb(169, 72, 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, 72, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 72, 224) }
```

Border

The CSS property to change the border of an element to XYZ 32.1341, 18.4516, 72.3889 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, 72, 224) }
```


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

```
.border{ border-color:rgb(169, 72, 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, 72, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 72, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 72, 224);  
box-shadow:4px 4px 4px 4px rgb(169, 72,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1341, 18.4516, 72.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 72, 224) }
```

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

```
.background{ background-color: rgb(169, 72,  
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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