

Converting Colors

XYZ(30.0272, 17.5229, 72.3150)

Have a look what the booklet for
XYZ(30.0272, 17.5229, 72.3150)
contains.

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Color

**XYZ(30.0039, 17.5485,
72.3268)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4AE0
RGB	158, 74, 224
RGB Percent	62%, 29%, 88%
CMY	0.3804, 0.7098, 0.1216
CMYK	0.29, 0.67, 0.00, 0.12
HSL	274°, 71%, 58%
HSV	274°, 67%, 88%
XYZ	30.0039, 17.5485, 72.3268
YIQ	116.2160, 1.9140, 64.4580

Conversions

Conversions Part 2

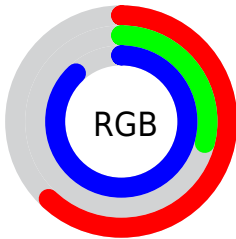
Format	Color
R _{YB}	158, 74, 224
Decimal	10373856
CIE Lab	48.94, 60.52, -62.53
CIE LCh	49, 87.021, 314.061
Yxy	17.5485, 0.2503, 0.1464
Android (android.graphics.Color)	4288563936 (0xFF9E4AE0)
YUV	116.2160, 53.1375, 36.6446
Hunter-Lab	41.8909, 54.5395, -73.0435

Details

The XYZ color **30.0039, 17.5485, 72.3268** 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 **38.7070, 59.3814, 15.9007**, and the grayscale version is **16.5092, 17.3690, 18.9148**.

A 20% lighter version of the original color is **54.3844, 37.4101, 98.9622**, and **12.5662, 5.8568, 37.5140** is the 20% darker color. If you saturate the color by 10%, you get **26.9043, 14.1121, 71.8272**, and if you desaturate by 10%, it is **33.7927, 22.1306, 73.0119**.

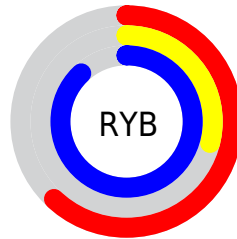
Distribution



Red (62%)

Green (29%)

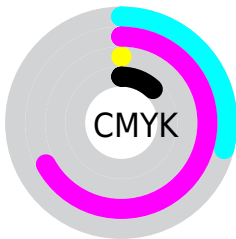
Blue (88%)



Red (62%)

Yellow (29%)

Blue (88%)

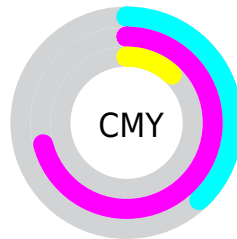


Cyan (29%)

Magenta (67%)

Yellow (0%)

Black (12%)



Cyan (38%)


Magenta (71%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0039, 17.5485, 72.3268 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 30.0039, 17.5485, 72.3268 by changing the saturation by 10% instead.

 30.0039, 17.5485,
72.3268


 30.0039, 17.5485,
72.3268


293.8321,
238.3137, 487.6864

 19.9896, 10.6263,
52.9372


 59.0549, 39.2665,
124.2331

 12.4957, 5.8162,
37.3653


 78.8224, 54.8310,
157.5869


 7.1568, 2.7336,
25.1924


 102.5717, 74.0452,
196.4324

 3.6076, 0.9943,
16.0002

 130.6681, 97.2934,
241.1884

 1.4826, 0.0000,
9.3699

 163.4770,
124.9599, 292.2732

 0.3140, 0.0000,
4.8831

201.3637,

 0.0000, 0.0000,

157.4292, 350.1054

2.1213

244.6936,
195.0857, 415.1036

■ 0.0000, 0.0000,
0.6284

■ 0.0000, 0.0000,
0.0000

■ 30.0039, 17.5485,
72.3268

■ 30.0039, 17.5485,
72.3268

■ 26.9043, 14.1121,
71.8272

■ 33.7927, 22.1306,
73.0119

■ 24.4285, 11.6987,
71.4919

■ 38.3226, 27.9598,
73.8983

■ 22.4962, 10.1526,
71.2953

■ 43.6427, 35.1283,
75.0015

■ 21.9769, 9.7752,
71.2498

■ 49.7967, 43.7186,
76.3353

■ 56.8250, 53.8068,
77.9121

■ 64.7650, 65.4630,
79.7435

■ 73.6518, 78.7531,
81.8403

■ 83.5186, 93.7390,
84.2129

■ 87.4684, 96.6224,
84.5612

Harmonies

Analogous

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



20.7512, 17.5485, 103.0869



30.0039, 17.5485, 72.3268



36.5530, 17.5485, 34.1378

Triad

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



30.0039, 17.5485, 72.3268



21.3260, 17.5485, 0.0496



5.6830, 17.5485, 32.1030

Complementary

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



30.0039, 17.5485, 72.3268



38.7070, 59.3814, 15.9007

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.



5.7476, 17.5485, 9.2988



30.0039, 17.5485, 72.3268



13.1783, 17.5485, 0.0000

Square

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



30.0039, 17.5485, 72.3268



30.5403, 17.5485, 1.8542



8.0319, 17.5485, 1.6446



7.8125, 17.5485, 69.8480

Rectangle

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



30.0039, 17.5485, 72.3268



37.5042, 17.5485, 16.1229



8.0319, 17.5485, 1.6446



5.4772, 17.5485, 22.4391

Sweetspot

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



30.0047, 17.5491, 72.3272



73.1039, 67.6555, 103.8136



25.8778, 26.0358, 74.1828



15.0731, 13.6561, 22.0914



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.



30.0047, 17.5491, 72.3272



34.8014, 17.6130, 96.1732



45.6490, 25.7290, 67.8658



13.6826, 13.6199, 17.2954



12.9264, 5.7591, 41.4787



0.9983, 0.4520, 2.8799

Inverse Universe

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



37.9231, 22.6387, 27.1817



47.2135, 25.5435, 27.5468



30.9841, 55.3691, 16.9380



13.9565, 13.8002, 15.5411



19.2475, 9.7660, 7.9690



1.3786, 0.6947, 0.7864

Previews

White Background



This preview shows how the XYZ color 30.0039, 17.5485, 72.3268 looks on a white background.

Color Contrast Check

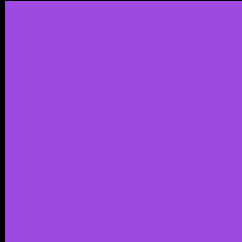
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0039, 17.5485, 72.3268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

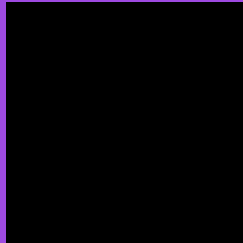
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.0039, 17.5485, 72.3268

Background



This preview shows how black text looks on a background with the XYZ color 30.0039, 17.5485, 72.3268.



This preview shows how white text looks on a background with the XYZ color 30.0039, 17.5485,

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

30.0039, 17.5485, 72.3268

Protanopia

21.2268, 17.7614, 83.1984

Deuteranopia

18.1054, 17.7971, 62.8025



Tritanopia

19.1624, 17.4750, 18.8860

Trichromacy



Original Color

30.0039, 17.5485, 72.3268



Protanomaly

20.7630, 15.4884, 78.9860



Deuteranomaly

18.6752, 15.4254, 65.6114



Tritanomaly

21.9533, 16.8433, 33.1044

Monochromacy



Original Color

30.0039, 17.5485, 72.3268



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

19.9301, 16.4992, 33.1446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0039, 17.5485, 72.3268 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(158, 74, 224)` looks like.

```
.text, #text, p{  
  color:rgb(158, 74, 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(158, 74, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 74, 224) }
```

Border

The CSS property to change the border of an element to XYZ 30.0039, 17.5485, 72.3268 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(158, 74, 224) }
```


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

```
.border{ border-color:rgb(158, 74, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 74, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 74, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 74, 224);  
box-shadow:4px 4px 4px 4px rgb(158, 74,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0039, 17.5485, 72.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 74, 224) }
```

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

```
.background{ background-color: rgb(158, 74,  
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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