

Converting Colors

XYZ(33.2262, 17.2180, 96.1799)

Have a look what the booklet for
XYZ(33.2262, 17.2180, 96.1799)
contains.

| | |
|--|----|
| XYZ(33.2234, 17.2142, 96.1793) | 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(33.2234, 17.2142,
96.1793)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 9C39FF |
| RGB | 156, 57, 255 |
| RGB Percent | 61%, 22%, 100% |
| CMY | 0.3882, 0.7765, 0.0000 |
| CMYK | 0.39, 0.78, 0.00, 0.00 |
| HSL | 270°, 100%, 61% |
| HSV | 270°, 78%, 100% |
| XYZ | 33.2234, 17.2142, 96.1793 |
| YIQ | 109.1730, -4.5540, 82.5660 |

Conversions

Conversions Part 2

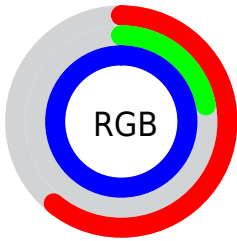
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 156, 57, 255 |
| Decimal | 10238463 |
| CIE Lab | 48.53, 74.07, -80.64 |
| CIE LCh | 49, 109.497, 312.568 |
| Yxy | 17.2142, 0.2266, 0.1174 |
| Android (android.graphics.Color) | 4288428543 (0xFF9C39FF) |
| YUV | 109.1730, 71.8927, 41.0673 |
| Hunter-Lab | 41.4900, 70.3276, -108.3991 |

Details

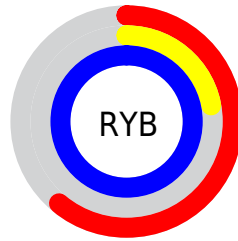
The XYZ color **33.2234, 17.2142, 96.1793** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **50.2083, 78.8830, 16.4508**, and the grayscale version is **14.3892, 15.1385, 16.4858**.

A 20% lighter version of the original color is **52.7960, 34.2332, 98.4328**, and **14.6941, 6.4109, 53.2863** is the 20% darker color. If you saturate the color by 10%, you get **29.9250, 14.0887, 95.7499**, and if you desaturate by 10%, it is **37.4146, 21.7383, 96.8317**.

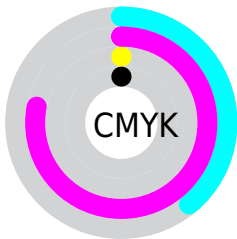
Distribution



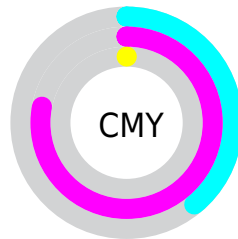
- Red (61%)
- Green (22%)
- Blue (100%)



- Red (61%)
- Yellow (22%)
- Blue (100%)



- Cyan (39%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (78%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2234, 17.2142, 96.1793 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 33.2234, 17.2142, 96.1793 by changing the saturation by 10% instead.

■ 33.2234, 17.2142,
96.1793

■ 33.2234, 17.2142,
96.1793

308.3024,
236.4037, 569.0140

■ 22.4577, 10.3873,
72.5146

■ 64.0765, 38.6937,
157.9024

■ 14.3121, 5.6565,
53.0897

■ 84.8946, 54.1151,
196.7979

■ 8.4212, 2.6374,
37.4862

■ 109.7942, 73.1702,
241.6074

■ 4.4197, 0.9455,
25.2854

■ 139.1407, 96.2432,
292.7495

■ 1.9422, 0.0000,
16.0689

■ 173.2994,
123.7187, 350.6426

■ 0.6012, 0.0000,
9.4180

212.6357,

■ 0.0000, 0.0000,

155.9811, 415.7054

4.9143

257.5149,
193.4146, 488.3564

■ 0.0000, 0.0000,
2.1392

■ 0.0000, 0.0000,
0.6390

■ 33.2234, 17.2142,
96.1793

■ 33.2234, 17.2142,
96.1793

■ 29.9250, 14.0887,
95.7499

■ 37.4146, 21.7383,
96.8317

■ 27.3987, 12.1361,
95.5062

■ 42.5870, 27.8301,
97.7349

■ 26.8777, 11.7709,
95.4631

■ 48.8194, 35.6354,
98.9130

■ 56.1811, 45.2824,
100.3871

64.7349, 56.8865,
102.1760

74.5386, 70.5536,
104.2973

85.6458, 86.3817,
106.7671

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



20.9369, 17.2142, 141.2588



33.2234, 17.2142, 96.1793



42.5890, 17.2142, 40.6898

Triad

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



33.2234, 17.2142, 96.1793



22.8598, 17.2142, 0.0000



3.8200, 17.2142, 33.5489

Complementary

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



33.2234, 17.2142, 96.1793



50.2083, 78.8830, 16.4508

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.



3.9831, 17.2142, 6.5725



33.2234, 17.2142, 96.1793



12.5066, 17.2142, 0.0000

Square

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



33.2234, 17.2142, 96.1793



35.1175, 17.2142, 0.6711



6.4620, 17.2142, 0.2118



5.8577, 17.2142, 86.6350

Rectangle

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



33.2234, 17.2142, 96.1793



44.2527, 17.2142, 16.3712



6.4620, 17.2142, 0.2118



3.6542, 17.2142, 21.3342

Sweetspot

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



33.2243, 17.2147, 96.1794



69.1315, 62.9744, 103.1194



31.6260, 31.8670, 99.0918



14.0603, 12.4577, 21.9135



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.



33.2243, 17.2147, 96.1794



28.4871, 12.9180, 95.5997



60.7532, 31.4064, 97.4677



17.8684, 17.8239, 22.7485



14.2164, 6.2393, 49.8896



1.5101, 0.6724, 4.8635

Inverse Universe

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



48.7037, 26.5866, 34.0159



45.9278, 23.4773, 25.5606



38.1860, 72.6853, 15.8881



18.3882, 18.1386, 20.6612



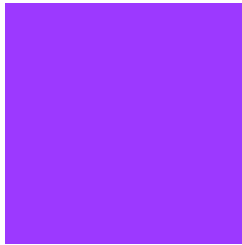
23.6427, 11.9464, 12.0350



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 33.2234, 17.2142, 96.1793 looks on a white background.

Color Contrast Check

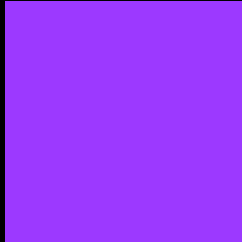
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2234, 17.2142, 96.1793 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 33.2234, 17.2142, 96.1793

Background



This preview shows how black text looks on a background with the XYZ color 33.2234, 17.2142, 96.1793.



This preview shows how white text looks on a background with the XYZ color 33.2234, 17.2142,

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

33.2234, 17.2142, 96.1793

Protanopia

20.5357, 17.3094, 80.1006

Deuteranopia

17.2579, 17.2687, 58.9235



Tritanopia

17.6581, 16.9958, 19.8026

Trichromacy



Original Color

33.2234, 17.2142, 96.1793



Protanomaly

21.4554, 14.7628, 85.7231



Deuteranomaly

19.0550, 14.5095, 70.9036



Tritanomaly

21.2902, 15.7126, 38.9565

Monochromacy



Original Color

33.2234, 17.2142, 96.1793



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

18.7819, 14.3566, 35.9636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2234, 17.2142, 96.1793 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(156, 57, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 57, 255)  
}
```

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(156, 57, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 57, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.2234, 17.2142, 96.1793 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(156, 57, 255) }
```


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

```
.border{ border-color:rgb(156, 57, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 57, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 57, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 57, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 57,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2234, 17.2142, 96.1793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 57, 255) }
```

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

```
.background{ background-color: rgb(156, 57,  
255) }
```

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