

Converting Colors

XYZ(33.8299, 17.1784, 96.1405)

Have a look what the booklet for
XYZ(33.8299, 17.1784, 96.1405)
contains.

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Color

**XYZ(33.7752, 17.1496,
96.1378)**

Conversions

Conversions Part 1

Format	Color
Hex	A034FF
RGB	160, 52, 255
RGB Percent	63%, 20%, 100%
CMY	0.3725, 0.7961, 0.0000
CMYK	0.37, 0.80, 0.00, 0.00
HSL	272°, 100%, 60%
HSV	272°, 80%, 100%
XYZ	33.7752, 17.1496, 96.1378
YIQ	107.4340, -0.7950, 86.0290

Conversions

Conversions Part 2

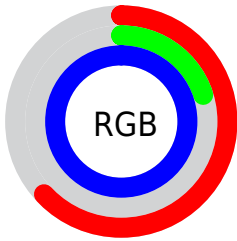
Format	Color
R _{YB}	160, 52, 255
Decimal	10499327
CIE Lab	48.45, 76.36, -80.75
CIE LCh	48, 111.139, 313.398
Yxy	17.1496, 0.2297, 0.1166
Android (android.graphics.Color)	4288689407 (0xFFA034FF)
YUV	107.4340, 72.7500, 46.1004
Hunter-Lab	41.4121, 73.1114, -108.6528

Details

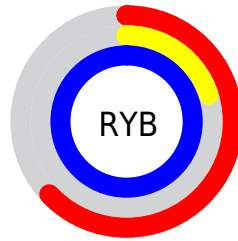
The XYZ color **33.7752, 17.1496, 96.1378** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **48.4120, 77.9707, 15.7473**, and the grayscale version is **13.9008, 14.6247, 15.9263**.

A 20% lighter version of the original color is **53.5532, 33.9610, 98.3403**, and **15.1150, 6.6279, 53.3060** is the 20% darker color. If you saturate the color by 10%, you get **30.6562, 14.2837, 95.7490**, and if you desaturate by 10%, it is **37.7386, 21.3617, 96.7419**.

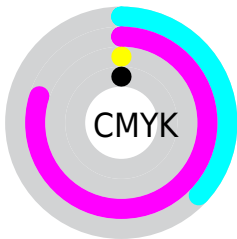
Distribution



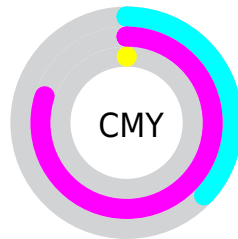
- Red (63%)
- Green (20%)
- Blue (100%)



- Red (63%)
- Yellow (20%)
- Blue (100%)



- Cyan (37%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7752, 17.1496, 96.1378 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 33.7752, 17.1496, 96.1378 by changing the saturation by 10% instead.

 33.7752, 17.1496,
96.1378

 33.7752, 17.1496,
96.1378


310.7321,
236.0330, 568.8783


 22.8830, 10.3412,
72.4802


 64.9305, 38.5828,
157.8447

 14.6274, 5.6258,
53.0618


 85.9244, 53.9764,
196.7310


 8.6429, 2.6189,
37.4641


 111.0163, 73.0006,
241.5307

 4.5642, 0.9362,
25.2684

 140.5714, 96.0396,
292.6623

 2.0260, 0.0000,
16.0563

 174.9552,
123.4780, 350.5443

 0.6485, 0.0000,
9.4092

214.5330,

 0.0000, 0.0000,

155.7001, 415.5953

4.9086

259.6702,
193.0903, 488.2337

■ 0.0000, 0.0000,
2.1359

■ 0.0000, 0.0000,
0.6370

■ 33.7752, 17.1496,
96.1378

■ 33.7752, 17.1496,
96.1378

■ 30.6562, 14.2837,
95.7490

■ 37.7386, 21.3617,
96.7419

■ 28.2366, 12.4875,
95.5298

■ 42.6365, 27.0951,
97.5904

■ 28.1497, 12.4266,
95.5227

■ 48.5485, 34.4989,
98.7079

■ 55.5442, 43.7034,
100.1158

■ 63.6860, 54.8256,
101.8335

■ 73.0314, 67.9726,
103.8786

■ 83.6338, 83.2432,
106.2673

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.



21.2666, 17.1496, 143.4090



33.7752, 17.1496, 96.1378



43.1553, 17.1496, 39.6928

Triad

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



33.7752, 17.1496, 96.1378



22.5534, 17.1496, 0.0000



3.7146, 17.1496, 34.8972

Complementary

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



33.7752, 17.1496, 96.1378



48.4120, 77.9707, 15.7473

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.



3.8212, 17.1496, 6.8032



33.7752, 17.1496, 96.1378



12.1742, 17.1496, 0.0000

Square

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



33.7752, 17.1496, 96.1378



35.0481, 17.1496, 0.5014



6.2148, 17.1496, 0.1942



5.8169, 17.1496, 89.6828

Rectangle

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



33.7752, 17.1496, 96.1378



44.6677, 17.1496, 15.5450



6.2148, 17.1496, 0.1942



3.5319, 17.1496, 22.1947

Sweetspot

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



33.7761, 17.1501, 96.1378



68.7746, 61.9417, 102.9389



30.3913, 29.8003, 98.7580



14.0190, 12.2742, 21.8802



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.



33.7761, 17.1501, 96.1378



29.0507, 13.0554, 95.5965



59.9780, 30.7201, 94.5457



17.9258, 17.8535, 22.7512



14.8829, 6.5829, 49.9208



1.5753, 0.7060, 4.8665

Inverse Universe

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



47.7343, 25.8226, 30.0710



45.0369, 22.9559, 21.3781



37.8751, 72.5296, 15.6664



18.3631, 18.1286, 20.5295



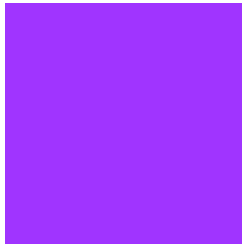
23.3729, 11.8385, 10.6144



2.3303, 1.1745, 1.3210

Previews

White Background



This preview shows how the XYZ color 33.7752, 17.1496, 96.1378 looks on a white background.

Color Contrast Check

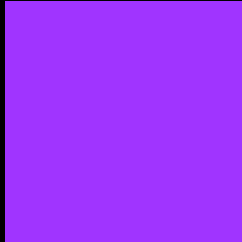
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7752, 17.1496, 96.1378 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 33.7752, 17.1496, 96.1378

Background



This preview shows how black text looks on a background with the XYZ color 33.7752, 17.1496, 96.1378.



This preview shows how white text looks on a background with the XYZ color 33.7752, 17.1496,

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

33.7752, 17.1496, 96.1378

Protanopia

20.5357, 17.3094, 80.1006

Deuteranopia

17.1391, 17.2211, 58.2978



Tritanopia

18.0892, 16.9150, 19.1411

Trichromacy



Original Color

33.7752, 17.1496, 96.1378



Protanomaly

21.4281, 14.6227, 85.6975



Deuteranomaly

18.7988, 14.1254, 70.1423



Tritanomaly

21.6201, 15.5203, 38.4154

Monochromacy



Original Color

33.7752, 17.1496, 96.1378



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

18.4454, 13.8252, 35.4146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7752, 17.1496, 96.1378 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(160, 52, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 52, 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(160, 52, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 52, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.7752, 17.1496, 96.1378 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(160, 52, 255) }
```


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

```
.border{ border-color:rgb(160, 52, 255) }
```

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

Here you see how a box with a 4 pixel rgb(160, 52, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 52, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 52, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 52,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7752, 17.1496, 96.1378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 52, 255) }
```

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

```
.background{ background-color: rgb(160, 52,  
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](#).

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