

Converting Colors

XYZ(33.2738, 17.0264, 96.1404)

Have a look what the booklet for
XYZ(33.2738, 17.0264, 96.1404)
contains.

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Color

**XYZ(33.2738, 17.0264,
96.1404)**

Conversions

Conversions Part 1

Format	Color
Hex	9D36FF
RGB	157, 54, 255
RGB Percent	62%, 21%, 100%
CMY	0.3843, 0.7882, 0.0000
CMYK	0.38, 0.79, 0.00, 0.00
HSL	271°, 100%, 61%
HSV	271°, 79%, 100%
XYZ	33.2738, 17.0264, 96.1404
YIQ	107.7110, -3.1330, 84.3470

Conversions

Conversions Part 2

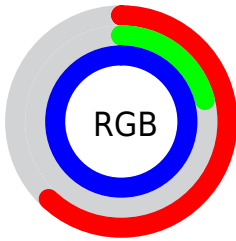
Format	Color
R _{YB}	157, 54, 255
Decimal	10303231
CIE _{Lab}	48.29, 75.26, -81.02
CIE _{LCh}	48, 110.586, 312.890
Y _{xy}	17.0264, 0.2272, 0.1163
Android (android.graphics.Color)	4288493311 (0xFF9D36FF)
YUV	107.7110, 72.6135, 43.2265
Hunter-Lab	41.2631, 71.7289, -109.2579

Details

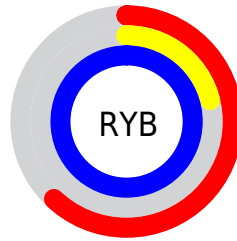
The XYZ color **33.2738, 17.0264, 96.1404** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **49.3739, 78.4613, 16.0323**, and the grayscale version is **13.9781, 14.7061, 16.0149**.

A 20% lighter version of the original color is **52.8686, 33.9357, 98.3715**, and **14.7974, 6.4641, 53.2911** is the 20% darker color. If you saturate the color by 10%, you get **30.0790, 14.0554, 95.7354**, and if you desaturate by 10%, it is **37.3383, 21.3678, 96.7642**.

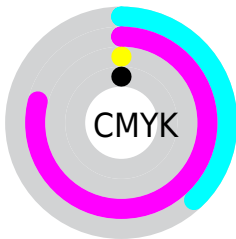
Distribution



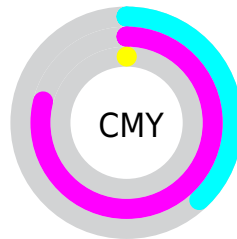
- Red (62%)
- Green (21%)
- Blue (100%)



- Red (62%)
- Yellow (21%)
- Blue (100%)



- Cyan (38%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (79%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2738, 17.0264, 96.1404 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 33.2738, 17.0264, 96.1404 by changing the saturation by 10% instead.

33.2738, 17.0264,
96.1404

33.2738, 17.0264,
96.1404

308.5249,
235.3245, 568.8868

22.4965, 10.2533,
72.4824

64.1546, 38.3712,
157.8483

14.3408, 5.5672,
53.0636

84.9888, 53.7116,
196.7352

8.4414, 2.5838,
37.4654

109.9060, 72.6767,
241.5355

4.4328, 0.9185,
25.2695

139.2716, 95.6507,
292.6678

1.9498, 0.0000,
16.0571

173.4510,
123.0181, 350.5505

0.6055, 0.0000,
9.4098

212.8094,

0.0000, 0.0000,

155.1633, 415.6022

4.9090

257.7122,
192.4706, 488.2414

■ 0.0000, 0.0000,
2.1361

■ 0.0000, 0.0000,
0.6372

■ 33.2738, 17.0264,
96.1404

■ 33.2738, 17.0264,
96.1404

■ 30.0790, 14.0554,
95.7354

■ 37.3383, 21.3678,
96.7642

■ 27.6202, 12.2020,
95.5072

■ 42.3621, 27.2523,
97.6352

■ 27.3602, 12.0196,
95.4857

■ 48.4249, 34.8279,
98.7779

■ 55.5962, 44.2240,
100.2136

■ 63.9391, 55.5573,
101.9614

■ 73.5113, 68.9343,
104.0389

■ 84.3664, 84.4537,
106.4624

■ 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.



20.9012, 17.0264, 142.2710



33.2738, 17.0264, 96.1404



42.6585, 17.0264, 40.1219

Triad

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



33.2738, 17.0264, 96.1404



22.5781, 17.0264, 0.0000



3.6915, 17.0264, 33.8757

Complementary

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



33.2738, 17.0264, 96.1404



49.3739, 78.4613, 16.0323

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.



3.8311, 17.0264, 6.5376



33.2738, 17.0264, 96.1404



12.2345, 17.0264, 0.0000

Square

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



33.2738, 17.0264, 96.1404



34.9314, 17.0264, 0.5593



6.2545, 17.0264, 0.1568



5.7344, 17.0264, 87.7436

Rectangle

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



33.2738, 17.0264, 96.1404



44.2674, 17.0264, 15.8794



6.2545, 17.0264, 0.1568



3.5212, 17.0264, 21.4798

Sweetspot

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



33.2747, 17.0269, 96.1405



68.3993, 61.7483, 102.9213



31.2096, 31.2809, 99.0006



13.9291, 12.2279, 21.8760



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.



33.2747, 17.0269, 96.1405



28.4898, 12.8109, 95.5789



60.6092, 31.1183, 97.4197



17.8907, 17.8354, 22.7496



14.4694, 6.3697, 49.9014



1.5350, 0.6852, 4.8646

Inverse Universe

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



48.2263, 26.1652, 32.2125



45.4678, 23.1763, 23.4989



37.9472, 72.5706, 15.4976



18.3784, 18.1347, 20.6100



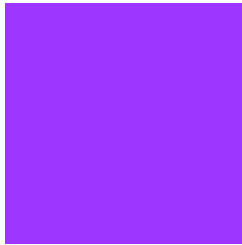
23.5353, 11.9034, 11.4694



2.3465, 1.1810, 1.4062

Previews

White Background



This preview shows how the XYZ color 33.2738, 17.0264, 96.1404 looks on a white background.

Color Contrast Check

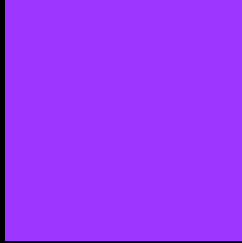
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2738, 17.0264, 96.1404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

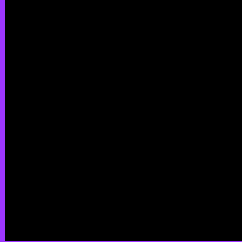
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.2738, 17.0264, 96.1404

Background



This preview shows how black text looks on a background with the XYZ color 33.2738, 17.0264, 96.1404.

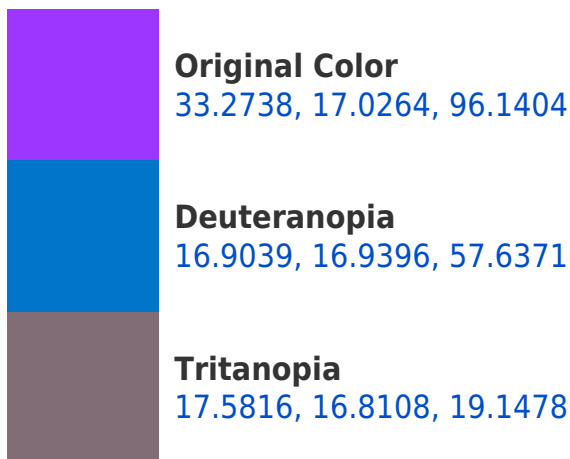


This preview shows how white text looks on a background with the XYZ color 33.2738, 17.0264,

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



Trichromacy



Original Color

33.2738, 17.0264, 96.1404



Deuteranomaly

18.7412, 14.0957, 70.1396



Tritanomaly

21.1949, 15.4237, 38.4192

Monochromacy



Original Color

33.2738, 17.0264, 96.1404



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

18.5269, 13.9883, 35.4417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2738, 17.0264, 96.1404 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(157, 54, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 54, 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(157, 54, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 54, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.2738, 17.0264, 96.1404 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(157, 54, 255) }
```

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

```
.border{ border-color:rgb(157, 54, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 54, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 54, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 54, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 54,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 33.2738, 17.0264, 96.1404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 54, 255) }
```

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

```
.background{ background-color: rgb(157, 54,  
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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