

Converting Colors

XYZ(33.0970, 17.0971, 91.9160)

Have a look what the booklet for
XYZ(33.0970, 17.0971, 91.9160)
contains.

XYZ(33.1187, 17.1081, 91.9991)	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(33.1187, 17.1081,
91.9991)**

Conversions

Conversions Part 1

Format	Color
Hex	A037FA
RGB	160, 55, 250
RGB Percent	63%, 22%, 98%
CMY	0.3725, 0.7843, 0.0196
CMYK	0.36, 0.78, 0.00, 0.02
HSL	272°, 95%, 60%
HSV	272°, 78%, 98%
XYZ	33.1187, 17.1081, 91.9991
YIQ	108.6250, -0.0150, 82.9050

Conversions

Conversions Part 2

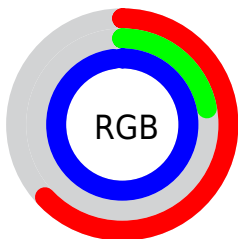
Format	Color
R_{YB}	160, 55, 250
Decimal	10500090
CIE _{Lab}	48.40, 74.27, -78.05
CIE _{LCh}	48, 107.742, 313.580
Yxy	17.1081, 0.2329, 0.1203
Android (android.graphics.Color)	4288690170 (0xFFA037FA)
YUV	108.6250, 69.6979, 45.0559
Hunter-Lab	41.3619, 70.5424, -102.9221

Details

The XYZ color **33.1187, 17.1081, 91.9991** 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 **46.5521, 74.6669, 15.5732**, and the grayscale version is **14.2402, 14.9818, 16.3152**.

A 20% lighter version of the original color is **53.7739, 34.4024, 98.4139**, and **14.6600, 6.4584, 50.3431** is the 20% darker color. If you saturate the color by 10%, you get **30.0169, 14.1702, 91.5959**, and if you desaturate by 10%, it is **37.0371, 21.3586, 92.6134**.

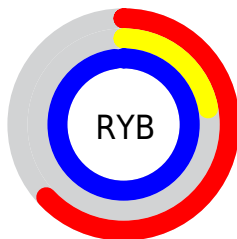
Distribution



Red (63%)

Green (22%)

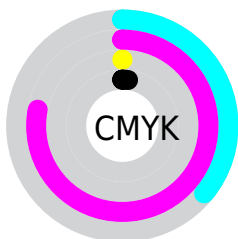
Blue (98%)



Red (63%)

Yellow (22%)

Blue (98%)

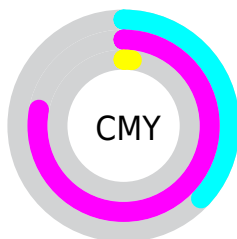


Cyan (36%)

Magenta (78%)

Yellow (0%)

Black (2%)



Cyan (37%)


Magenta (78%)


Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1187, 17.1081, 91.9991 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 33.1187, 17.1081, 91.9991 by changing the saturation by 10% instead.

 33.1187, 17.1081,
91.9991


 33.1187, 17.1081,
91.9991


307.8398,
235.7946, 555.2496


 22.3771, 10.3116,
69.0569


 63.9142, 38.5115,
152.0718


 14.2524, 5.6060,
50.2860


 84.6989, 53.8873,
190.0394

 8.3793, 2.6070,
35.2679


 109.5618, 72.8915,
233.8525

 4.3924, 0.9302,
23.5841

 138.8686, 95.9087,
283.9296

 1.9264, 0.0000,
14.8161

 172.9844,
123.3232, 340.6894

 0.5921, 0.0000,
8.5452

212.2746,

 0.0000, 0.0000,

155.5194, 404.5503

4.3530

257.1046,
192.8817, 475.9308

■ 0.0000, 0.0000,
1.8209

■ 0.0000, 0.0000,
0.4417

■ 33.1187, 17.1081,
91.9991

■ 33.1187, 17.1081,
91.9991

■ 30.0169, 14.1702,
91.5959

■ 37.0371, 21.3586,
92.6134

■ 27.6143, 12.3230,
91.3660

■ 41.8546, 27.0827,
93.4643

■ 27.1859, 12.0215,
91.3304

■ 47.6454, 34.4191,
94.5752

■ 54.4740, 43.4896,
95.9661

62.3991, 54.4037,
97.6550

71.4744, 67.2619,
99.6586

81.7500, 82.1572,
101.9921

93.2722, 99.1753,
104.6696

94.2554, 99.6822,
104.7156

Harmonies

Analogous

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



21.1244, 17.1081, 136.6986



33.1187, 17.1081, 91.9991



42.0259, 17.1081, 38.5464

Triad

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



33.1187, 17.1081, 91.9991



22.2220, 17.1081, 0.0000



3.9261, 17.1081, 34.4830

Complementary

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



33.1187, 17.1081, 91.9991



46.5521, 74.6669, 15.5732

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.



4.0210, 17.1081, 7.1190



33.1187, 17.1081, 91.9991



12.2075, 17.1081, 0.0000

Square

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



33.1187, 17.1081, 91.9991



34.1963, 17.1081, 0.6409



6.3886, 17.1081, 0.3770



6.0393, 17.1081, 86.5974

Rectangle

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



33.1187, 17.1081, 91.9991



43.4259, 17.1081, 15.4425



6.3886, 17.1081, 0.3770



3.7382, 17.1081, 22.2236

Sweetspot

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



33.1196, 17.1086, 91.9995



69.8422, 63.3407, 103.1526



29.1100, 28.2725, 94.3657



14.2318, 12.5461, 21.9215



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.



33.1196, 17.1086, 91.9995



29.7919, 13.5331, 95.6497



57.0441, 29.5579, 87.8895



17.1759, 17.1033, 21.7813



14.5882, 6.4632, 48.4522



1.4735, 0.6617, 4.4932

Inverse Universe

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



45.9014, 25.1009, 29.2129



45.1763, 23.1147, 21.7945



36.6172, 69.5261, 15.9760



17.5779, 17.3585, 19.6328



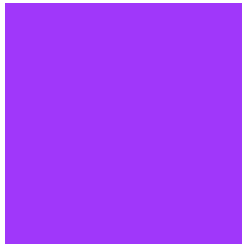
22.6359, 11.4701, 10.0569



2.1494, 1.0835, 1.2099

Previews

White Background



This preview shows how the XYZ color 33.1187, 17.1081, 91.9991 looks on a white background.

Color Contrast Check

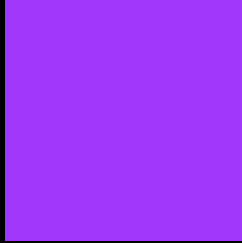
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1187, 17.1081, 91.9991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

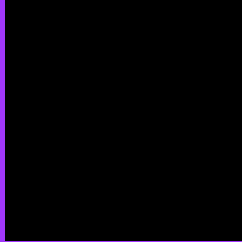
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.1187, 17.1081, 91.9991

Background



This preview shows how black text looks on a background with the XYZ color 33.1187, 17.1081, 91.9991.



This preview shows how white text looks on a background with the XYZ color 33.1187, 17.1081,

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

33.1187, 17.1081, 91.9991

Protanopia

20.5357, 17.3094, 80.1006

Deuteranopia

17.2579, 17.2687, 58.9235



Tritanopia

18.3465, 17.0544, 18.8479

Trichromacy



Original Color

33.1187, 17.1081, 91.9991



Protanomaly

21.2142, 14.6730, 84.1521



Deuteranomaly

18.7554, 14.2513, 69.4724



Tritanomaly

21.6916, 15.7010, 37.4846

Monochromacy



Original Color

33.1187, 17.1081, 91.9991



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

18.8196, 14.2720, 35.0206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1187, 17.1081, 91.9991 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, 55, 250)` looks like.

```
.text, #text, p{  
    color:rgb(160, 55, 250)  
}
```

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, 55, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 55, 250) }
```

Border

The CSS property to change the border of an element to XYZ 33.1187, 17.1081, 91.9991 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, 55, 250) }
```


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

```
.border{ border-color:rgb(160, 55, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 55, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 55, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 55, 250);  
box-shadow:4px 4px 4px 4px rgb(160, 55,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1187, 17.1081, 91.9991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 55, 250) }
```

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

```
.background{ background-color: rgb(160, 55,  
250) }
```

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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