

Converting Colors

XYZ(32.4652, 17.7333, 83.3695)

Have a look what the booklet for
XYZ(32.4652, 17.7333, 83.3695)
contains.

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Color

**XYZ(32.5745, 17.7991,
83.3801)**

Conversions

Conversions Part 1

Format	Color
Hex	A341EF
RGB	163, 65, 239
RGB Percent	64%, 25%, 94%
CMY	0.3608, 0.7451, 0.0627
CMYK	0.32, 0.73, 0.00, 0.06
HSL	274°, 84%, 60%
HSV	274°, 73%, 94%
XYZ	32.5745, 17.7991, 83.3801
YIQ	114.1380, 2.5540, 74.8900

Conversions

Conversions Part 2

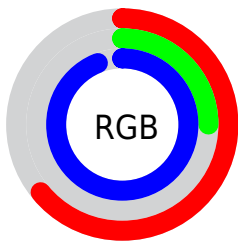
Format	Color
R _Y B	163, 65, 239
Decimal	10699247
CIE _{Lab}	49.25, 68.65, -70.47
CIE _{LCh}	49, 98.383, 314.248
Y _{xy}	17.7991, 0.2435, 0.1331
Android (android.graphics.Color)	4288889327 (0xFFA341EF)
YUV	114.1380, 61.5570, 42.8520
Hunter-Lab	42.1890, 63.9908, -87.6454

Details

The XYZ color **32.5745, 17.7991, 83.3801** is a light color, and the websafe version is hex **9900CC**. The color can be described as light muted purple. A complement of this color would be **42.8053, 67.7777, 15.8277**, and the grayscale version is **15.8571, 16.6829, 18.1677**.

A 20% lighter version of the original color is **55.3188, 36.5827, 98.7533**, and **14.1524, 6.3205, 44.7300** is the 20% darker color. If you saturate the color by 10%, you get **29.4313, 14.5550, 82.9199**, and if you desaturate by 10%, it is **36.4758, 22.2952, 84.0427**.

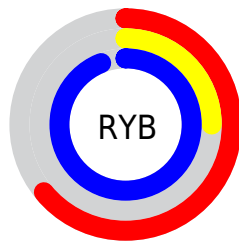
Distribution



Red (64%)

Green (25%)

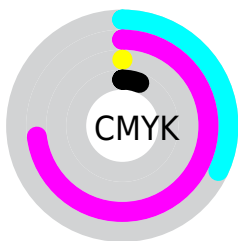
Blue (94%)



Red (64%)

Yellow (25%)

Blue (94%)

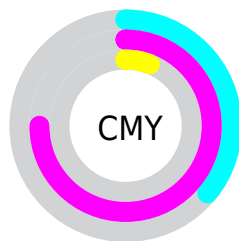


Cyan (32%)

Magenta (73%)

Yellow (0%)

Black (6%)



Cyan (36%)


Magenta (75%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5745, 17.7991, 83.3801 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 32.5745, 17.7991, 83.3801 by changing the saturation by 10% instead.


 32.5745, 17.7991,
83.3801


 32.5745, 17.7991,
83.3801


305.4270,
239.7362, 526.2566


 21.9584, 10.8058,
61.9613


 63.0698, 39.6947,
139.9617


 13.9427, 5.9364,
44.5659


 83.6796, 55.3658,
175.9616


 8.1623, 2.8065,
30.7752


 108.3514, 74.6984,
217.6589

 4.2516, 1.0315,
20.1707

 137.4505, 98.0768,
265.4723

 1.8455, 0.0000,
12.3339

 171.3423,
125.8853, 319.8202

 0.5448, 0.0000,
6.8462

210.3920,

 0.0000, 0.0000,

158.5085, 381.1212

3.2891

254.9652,
196.3307, 449.7938

■ 0.0000, 0.0000,
1.2441

■ 0.0000, 0.0000,
0.0153

■ 32.5745, 17.7991,
83.3801

■ 32.5745, 17.7991,
83.3801

■ 29.4313, 14.5550,
82.9199

■ 36.4758, 22.2952,
84.0427


■ 26.9605, 12.4011,
82.6344


■ 41.2018, 28.1738,
84.9283


■ 25.5095, 11.3508,
82.5082


■ 46.8137, 35.5505,
86.0563


■ 53.3658, 44.5278,
87.4438

 60.9074, 55.1990,
89.1061

 69.4842, 67.6502,
91.0573

 79.1389, 81.9614,
93.3108

 89.5266, 97.4379,
95.7506

 92.5801, 99.0120,
95.8935

Harmonies

Analogous

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



21.6738, 17.7991, 122.2308



32.5745, 17.7991, 83.3801



40.4019, 17.7991, 36.7194

Triad

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



32.5745, 17.7991, 83.3801



22.2093, 17.7991, 0.0000



4.8850, 17.7991, 34.7801

Complementary

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



32.5745, 17.7991, 83.3801



42.8053, 67.7777, 15.8277

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.



4.9379, 17.7991, 8.5948



32.5745, 17.7991, 83.3801



12.9135, 17.7991, 0.0000

Square

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



32.5745, 17.7991, 83.3801



33.0873, 17.7991, 1.1479



7.3075, 17.7991, 1.0104



7.1208, 17.7991, 80.9078

Rectangle

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



32.5745, 17.7991, 83.3801



41.5160, 17.7991, 15.8529



7.3075, 17.7991, 1.0104



4.6709, 17.7991, 23.3954

Sweetspot

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



32.5754, 17.7997, 83.3805



71.2433, 64.9262, 103.3848



27.6279, 27.0914, 85.4348



14.7101, 13.1253, 22.0081



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.



32.5754, 17.7997, 83.3805



32.7188, 15.5956, 95.8935



51.8124, 27.8617, 77.7315



15.7491, 15.6679, 19.9157



14.2504, 6.3517, 45.6028



1.2995, 0.5872, 3.7991

Inverse Universe

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



42.2949, 24.0547, 27.6129



45.8205, 23.9690, 23.3473



34.2728, 63.3476, 16.8470



16.0595, 15.8735, 17.8697



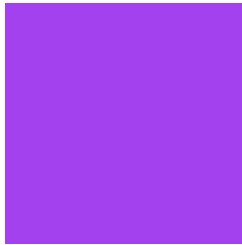
21.1265, 10.7230, 8.5827



1.8066, 0.9117, 0.9726

Previews

White Background



This preview shows how the XYZ color 32.5745, 17.7991, 83.3801 looks on a white background.

Color Contrast Check

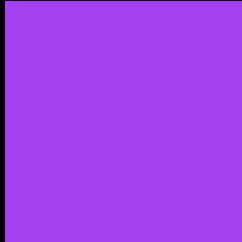
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.5745, 17.7991, 83.3801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

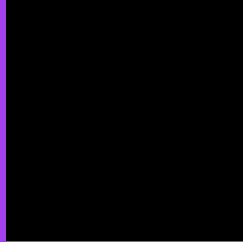
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.5745, 17.7991, 83.3801

Background



This preview shows how black text looks on a background with the XYZ color 32.5745, 17.7991, 83.3801.



This preview shows how white text looks on a background with the XYZ color 32.5745, 17.7991,

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

32.5745, 17.7991, 83.3801

Protanopia

21.4851, 18.0422, 84.0115

Deuteranopia

18.1016, 17.9870, 62.1923



Tritanopia

19.5580, 17.6722, 19.2099

Trichromacy



Original Color

32.5745, 17.7991, 83.3801



Protanomaly

21.5665, 15.5275, 83.5218



Deuteranomaly

19.1470, 15.1586, 68.9346



Tritanomaly

22.6546, 16.6171, 35.7316

Monochromacy



Original Color

32.5745, 17.7991, 83.3801



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

19.9566, 15.7745, 34.7938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5745, 17.7991, 83.3801 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(163, 65, 239)` looks like.

```
.text, #text, p{  
    color:rgb(163, 65, 239)  
}
```

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(163, 65, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 65, 239) }
```

Border

The CSS property to change the border of an element to XYZ 32.5745, 17.7991, 83.3801 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(163, 65, 239) }
```


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

```
.border{ border-color:rgb(163, 65, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 65, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 65, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 65, 239);  
box-shadow:4px 4px 4px 4px rgb(163, 65,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5745, 17.7991, 83.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 65, 239) }
```

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

```
.background{ background-color: rgb(163, 65,  
239) }
```

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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