

Converting Colors

XYZ(34.0129, 26.3655, 81.1616)

Have a look what the booklet for
XYZ(34.0129, 26.3655, 81.1616)
contains.

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Color

**XYZ(33.9669, 26.3095,
81.1299)**

Conversions

Conversions Part 1

Format	Color
Hex	937BEA
RGB	147, 123, 234
RGB Percent	58%, 48%, 92%
CMY	0.4235, 0.5176, 0.0824
CMYK	0.37, 0.47, 0.00, 0.08
HSL	253°, 73%, 70%
HSV	253°, 47%, 92%
XYZ	33.9669, 26.3095, 81.1299
YIQ	142.8300, -21.3270, 39.6090

Conversions

Conversions Part 2

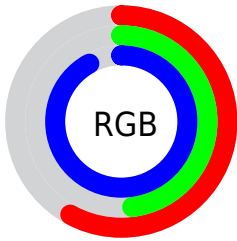
Format	Color
R_{YB}	147, 123, 234
Decimal	9665514
CIE _{Lab}	58.33, 34.43, -53.16
CIE _{LCh}	58, 63.340, 302.932
Yxy	26.3095, 0.2402, 0.1861
Android (android.graphics.Color)	4287855594 (0xFF937BEA)
YUV	142.8300, 44.9468, 3.6571
Hunter-Lab	51.2928, 28.4432, -57.8742

Details

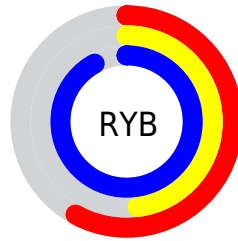
The XYZ color **33.9669, 26.3095, 81.1299** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **59.5764, 73.9776, 29.8787**, and the grayscale version is **25.8743, 27.2218, 29.6445**.

A 20% lighter version of the original color is **58.4772, 51.1080, 101.3905**, and **14.7990, 10.3361, 43.3345** is the 20% darker color. If you saturate the color by 10%, you get **28.3728, 19.6196, 80.1340**, and if you desaturate by 10%, it is **40.7811, 34.6589, 82.3829**.

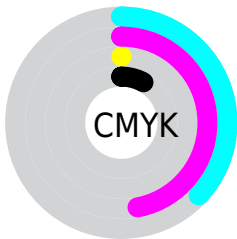
Distribution



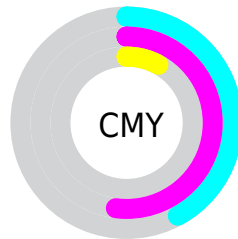
- Red (58%)
- Green (48%)
- Blue (92%)



- Red (58%)
- Yellow (48%)
- Blue (92%)



- Cyan (37%)
- Magenta (47%)
- Yellow (0%)
- Black (8%)



- Cyan (42%)
- Magenta (52%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9669, 26.3095, 81.1299 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 33.9669, 26.3095, 81.1299 by changing the saturation by 10% instead.

■ 33.9669, 26.3095,
81.1299

■ 33.9669, 26.3095,
81.1299

311.5729,
284.2981, 518.5394

■ 23.0309, 17.0553,
60.1170

■ 65.2268, 53.7738,
136.7789

■ 14.7372, 10.2739,
43.0870

■ 86.2815, 72.7528,
172.2520

■ 8.7202, 5.5810,
29.6215

■ 111.4398, 95.7421,
213.3822

■ 4.6148, 2.5920,
19.3018

141.0671,
123.1262, 260.5881

■ 2.0555, 0.9226,
11.7096

175.5286,
155.2894, 314.2883

■ 0.6648, 0.0000,
6.4261

215.1899,

■ 0.0000, 0.0000,

192.6162, 374.9012

3.0329

260.4162,
235.4910, 442.8454

■ 0.0000, 0.0000,
1.1115

■ 0.0000, 0.0000,
0.0000

■ 33.9669, 26.3095,
81.1299

■ 33.9669, 26.3095,
81.1299

■ 28.3728, 19.6196,
80.1340

■ 40.7811, 34.6589,
82.3829

■ 23.9205, 14.4731,
79.3753

■ 48.8807, 44.7674,
83.9071

■ 20.5275, 10.7432,
78.8341

■ 58.3299, 56.7300,
85.7181

■ 18.0973, 8.2808,
78.4869

■ 69.1876, 70.6342,
87.8296

■ 16.5087, 6.8917,
78.3025

■ 81.5093, 86.5617,
90.2545

■ 16.1965, 6.6340,
78.2693

■ 91.8514, 98.7206,
92.0563

Harmonies

Analogous

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



25.7728, 26.3095, 95.4492



33.9669, 26.3095, 81.1299



40.6744, 26.3095, 52.6474

Triad

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



33.9669, 26.3095, 81.1299



32.3805, 26.3095, 5.0279



12.9267, 26.3095, 30.8748

Complementary

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



33.9669, 26.3095, 81.1299



59.5764, 73.9776, 29.8787

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.



13.9883, 26.3095, 13.3396



33.9669, 26.3095, 81.1299



24.2553, 26.3095, 3.7202

Square

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



33.9669, 26.3095, 81.1299



39.6341, 26.3095, 11.2039



17.7790, 26.3095, 5.7402



14.5097, 26.3095, 58.4983

Rectangle

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



33.9669, 26.3095, 81.1299



42.8013, 26.3095, 34.1971



17.7790, 26.3095, 5.7402



12.9868, 26.3095, 23.7317

Sweetspot

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



33.9680, 26.3104, 81.1305



75.1446, 74.3738, 105.0028



46.5139, 57.1392, 86.4199



15.4937, 15.1653, 22.3605



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.



33.9680, 26.3104, 81.1305



34.5863, 23.9662, 97.4108



45.9418, 32.4832, 81.6909



14.5357, 14.7059, 18.9947



9.1880, 3.7725, 43.9869



0.8011, 0.3373, 3.4578

Inverse Universe

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



52.6479, 36.3121, 65.2062



60.1746, 37.6950, 74.3201



46.7671, 67.3742, 29.2793



15.5672, 15.2548, 18.2724



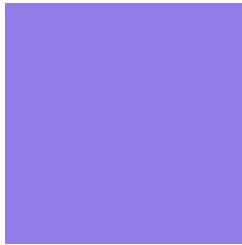
23.9428, 11.7798, 26.5639



1.9147, 0.9388, 2.2680

Previews

White Background



This preview shows how the XYZ color 33.9669, 26.3095, 81.1299 looks on a white background.

Color Contrast Check

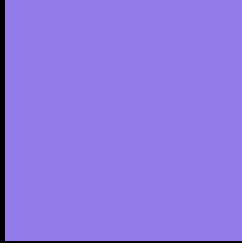
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.9669, 26.3095, 81.1299 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 33.9669, 26.3095, 81.1299

Background



This preview shows how black text looks on a background with the XYZ color 33.9669, 26.3095, 81.1299.



This preview shows how white text looks on a background with the XYZ color 33.9669, 26.3095,

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

33.9669, 26.3095, 81.1299

Protanopia

29.8540, 26.7306, 91.5817

Deuteranopia

27.3751, 26.6019, 78.5548



Tritanopia

24.4760, 26.3130, 33.9259

Trichromacy



Original Color

33.9669, 26.3095, 81.1299

Protanomaly

30.7087, 26.2283, 87.4485

Deuteranomaly

28.8928, 25.8839, 79.0746

Tritanomaly

27.2608, 25.9396, 47.8260

Monochromacy



Original Color

33.9669, 26.3095, 81.1299

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.1422, 26.6722, 44.7393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9669, 26.3095, 81.1299 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(147, 123, 234)` looks like.

```
.text, #text, p{  
    color:rgb(147, 123, 234)  
}
```

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(147, 123, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 123, 234) }
```

Border

The CSS property to change the border of an element to XYZ 33.9669, 26.3095, 81.1299 is called "border". The border property can be set on classes, ids or directly on the HTML element.

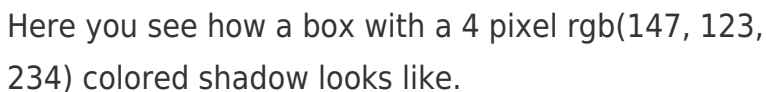
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 123, 234) }
```


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

```
.border{ border-color:rgb(147, 123, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 123, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 123, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 123, 234);  
box-shadow:4px 4px 4px 4px rgb(147, 123,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9669, 26.3095, 81.1299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 123, 234) }
```

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

```
.background{ background-color: rgb(147,  
123, 234) }
```

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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