

Converting Colors

XYZ(33.8691, 26.2213, 69.9492)

Have a look what the booklet for
XYZ(33.8691, 26.2213, 69.9492)
contains.

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Color

**XYZ(33.9216, 26.1601,
70.2794)**

Conversions

Conversions Part 1

Format	Color
Hex	9F79DB
RGB	159, 121, 219
RGB Percent	62%, 47%, 86%
CMY	0.3765, 0.5255, 0.1412
CMYK	0.27, 0.45, 0.00, 0.14
HSL	263°, 58%, 67%
HSV	263°, 45%, 86%
XYZ	33.9216, 26.1601, 70.2794
YIQ	143.5340, -8.8100, 38.5340

Conversions

Conversions Part 2

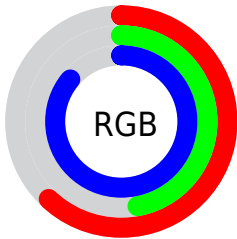
Format	Color
R _Y B	159, 121, 219
Decimal	10451419
CIE Lab	58.19, 34.88, -44.93
CIE LCh	58, 56.884, 307.825
Yxy	26.1601, 0.2602, 0.2007
Android (android.graphics.Color)	4288641499 (0xFF9F79DB)
YUV	143.5340, 37.2047, 13.5637
Hunter-Lab	51.1469, 28.8773, -45.6657

Details

The XYZ color **33.9216, 26.1601, 70.2794** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.8393, 61.8678, 27.5103**, and the grayscale version is **26.1810, 27.5444, 29.9958**.

A 20% lighter version of the original color is **61.5050, 52.0910, 101.4207**, and **14.6898, 10.1541, 35.8360** is the 20% darker color. If you saturate the color by 10%, you get **29.0400, 20.1316, 69.3735**, and if you desaturate by 10%, it is **39.6977, 33.5474, 71.4013**.

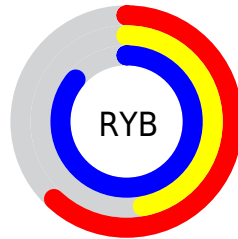
Distribution



Red (62%)

Green (47%)

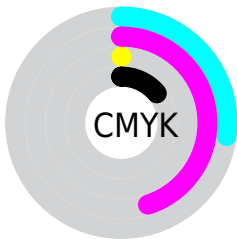
Blue (86%)



Red (62%)

Yellow (47%)

Blue (86%)

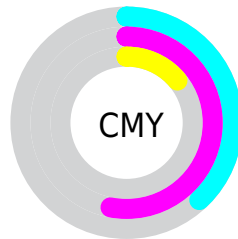


Cyan (27%)

Magenta (45%)

Yellow (0%)

Black (14%)



Cyan (38%)

Magenta (53%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9216, 26.1601, 70.2794 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 33.9216, 26.1601, 70.2794 by changing the saturation by 10% instead.

■ 33.9216, 26.1601,
70.2794

■ 33.9216, 26.1601,
70.2794

311.3744,
283.5671, 480.3460

■ 22.9960, 16.9435,
51.2761

■ 65.1568, 53.5331,
121.2920

■ 14.7112, 10.1942,
36.0502

■ 86.1972, 72.4583,
154.1383

■ 8.7020, 5.5279,
24.1829

■ 111.3398, 95.3884,
192.4362

■ 4.6028, 2.5602,
15.2559

140.9500,
122.7078, 236.6040

■ 2.0485, 0.9067,
8.8506

175.3932,
154.8011, 287.0604

■ 0.6610, 0.0000,
4.5484

215.0348,

■ 0.0000, 0.0000,

192.0524, 344.2238

1.9307

260.2401,
234.8463, 408.5128

■ 0.0000, 0.0000,
0.5122

■ 0.0000, 0.0000,
0.0000

■ 33.9216, 26.1601,
70.2794

■ 33.9216, 26.1601,
70.2794

■ 29.0400, 20.1316,
69.3735

■ 39.6977, 33.5474,
71.4013

■ 24.9993, 15.3713,
68.6677

■ 46.4116, 42.3701,
72.7504

■ 21.7443, 11.7820,
68.1464

■ 54.1070, 52.7024,
74.3392

■ 19.2107, 9.2504,
67.7913

■ 62.8242, 64.6124,
76.1786

■ 17.3217, 7.6389,
67.5798

■ 72.6008, 78.1642,
78.2791

■ 16.5254, 7.0421,
67.5066

■ 83.4724, 93.4181,
80.6503

■ 89.0029, 97.4907,
81.1450

■ 89.7863, 97.8945,
81.1816

Harmonies

Analogous

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



26.7151, 26.1601, 85.1537



33.9216, 26.1601, 70.2794



39.2872, 26.1601, 45.3692

Triad

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



33.9216, 26.1601, 70.2794



30.2164, 26.1601, 5.7960



13.8995, 26.1601, 33.9774

Complementary

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



33.9216, 26.1601, 70.2794



47.8393, 61.8678, 27.5103

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.



14.4898, 26.1601, 16.4136



33.9216, 26.1601, 70.2794



23.1012, 26.1601, 4.9869

Square

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



33.9216, 26.1601, 70.2794



36.8870, 26.1601, 10.9573



17.5825, 26.1601, 7.7765



15.7871, 26.1601, 58.7218

Rectangle

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



33.9216, 26.1601, 70.2794



40.6204, 26.1601, 29.9505



17.5825, 26.1601, 7.7765



13.8223, 26.1601, 27.0659

Sweetspot

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



33.9226, 26.1611, 70.2800



78.2949, 76.9948, 105.3426



37.2842, 42.4045, 73.2381



16.2032, 15.7272, 22.4316



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.



33.9226, 26.1611, 70.2800



41.1745, 28.6363, 97.9650



45.5150, 32.1372, 70.8225



12.8138, 12.8621, 16.4594



9.9127, 4.2344, 40.0333



0.7369, 0.3231, 2.5980

Inverse Universe

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



44.3919, 32.0718, 47.5672



58.2502, 38.2982, 59.9544



38.3671, 56.9847, 27.0670



13.3893, 13.1848, 15.3114



19.9321, 9.9739, 14.5544



1.3330, 0.6629, 1.1627

Previews

White Background



This preview shows how the XYZ color 33.9216, 26.1601, 70.2794 looks on a white background.

Color Contrast Check

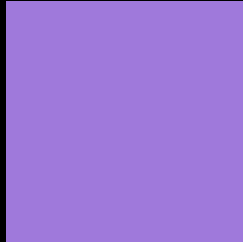
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9216, 26.1601, 70.2794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

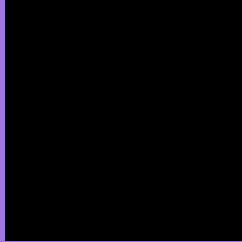
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9216, 26.1601, 70.2794

Background



This preview shows how black text looks on a background with the XYZ color 33.9216, 26.1601, 70.2794.



This preview shows how white text looks on a background with the XYZ color 33.9216, 26.1601,

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

33.9216, 26.1601, 70.2794

Protanopia

28.9092, 26.4838, 80.6790

Deuteranopia

27.1233, 26.4872, 67.9730



Tritanopia

26.1450, 26.1404, 31.6846

Trichromacy



Original Color

33.9216, 26.1601, 70.2794

Protanomaly

30.0050, 25.8990, 76.8164

Deuteranomaly

28.9506, 25.9439, 68.4476

Tritanomaly

28.5188, 25.8679, 43.5343

Monochromacy



Original Color

33.9216, 26.1601, 70.2794

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.5493, 26.9382, 42.2230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9216, 26.1601, 70.2794 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(159, 121, 219)` looks like.

```
.text, #text, p{  
    color:rgb(159, 121, 219)  
}
```

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(159, 121, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 121, 219) }
```

Border

The CSS property to change the border of an element to XYZ 33.9216, 26.1601, 70.2794 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(159, 121, 219) }
```


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

```
.border{ border-color:rgb(159, 121, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 121, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 121, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 121, 219);  
box-shadow:4px 4px 4px 4px rgb(159, 121,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9216, 26.1601, 70.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 121, 219) }
```

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

```
.background{ background-color: rgb(159,  
121, 219) }
```

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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