

Converting Colors

XYZ(35.2980, 29.1747, 70.5189)

Have a look what the booklet for
XYZ(35.2980, 29.1747, 70.5189)
contains.

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Color

**XYZ(35.2743, 29.1586,
70.7869)**

Conversions

Conversions Part 1

Format	Color
Hex	9E85DB
RGB	158, 133, 219
RGB Percent	62%, 52%, 86%
CMY	0.3804, 0.4784, 0.1412
CMYK	0.28, 0.39, 0.00, 0.14
HSL	257°, 54%, 69%
HSV	257°, 39%, 86%
XYZ	35.2743, 29.1586, 70.7869
YIQ	150.2790, -12.7060, 32.0460

Conversions

Conversions Part 2

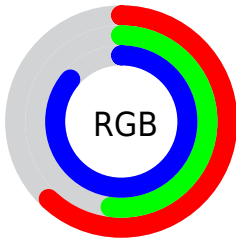
Format	Color
RYB	158, 133, 219
Decimal	10388955
CIELab	60.92, 27.76, -40.64
CIELCh	61, 49.211, 304.338
Yxy	29.1586, 0.2609, 0.2156
Android (android.graphics.Color)	4288579035 (0xFF9E85DB)
YUV	150.2790, 33.8795, 6.7713
Hunter-Lab	53.9987, 22.1062, -39.9242

Details

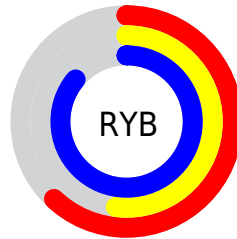
The XYZ color **35.2743, 29.1586, 70.7869** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **51.8138, 63.8264, 31.7801**, and the grayscale version is **28.9732, 30.4821, 33.1950**.

A 20% lighter version of the original color is **63.3405, 56.6340, 102.2008**, and **15.5030, 11.8099, 36.5844** is the 20% darker color. If you saturate the color by 10%, you get **29.7180, 22.2982, 69.7561**, and if you desaturate by 10%, it is **41.8440, 37.4704, 72.0455**.

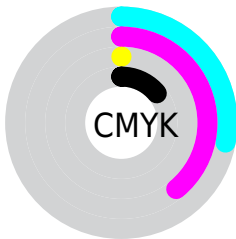
Distribution



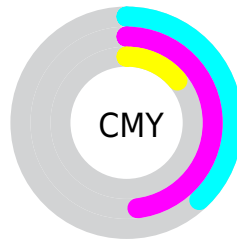
- Red (62%)
- Green (52%)
- Blue (86%)



- Red (62%)
- Yellow (52%)
- Blue (86%)



- Cyan (28%)
- Magenta (39%)
- Yellow (0%)
- Black (14%)



- Cyan (38%)
- Magenta (48%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2743, 29.1586, 70.7869 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 35.2743, 29.1586, 70.7869 by changing the saturation by 10% instead.

■ 35.2743, 29.1586,
70.7869

■ 35.2743, 29.1586,
70.7869

317.2643,
297.9625, 482.1717

■ 24.0418, 19.2008,
51.6875

■ 67.2417, 58.3290,
122.0219

■ 15.4895, 11.8155,
36.3756

■ 88.7073, 78.3104,
154.9946

■ 9.2522, 6.6182,
24.4324

■ 114.3146,
102.4018, 193.4288

■ 4.9645, 3.2245,
15.4395

144.4289,
130.9876, 237.7431

■ 2.2610, 1.2500,
8.9784

179.4157,
164.4521, 288.3560

■ 0.7746, 0.1020,
4.6305

219.6403,

■ 0.0000, 0.0000,

203.1799, 345.6860

1.9772

265.4680,
247.5552, 410.1517

■ 0.0000, 0.0000,
0.5412

■ 0.0000, 0.0000,
0.0000

■ 35.2743, 29.1586,
70.7869

■ 35.2743, 29.1586,
70.7869

■ 29.7180, 22.2982,
69.7561

■ 41.8440, 37.4704,
72.0455

■ 25.1184, 16.8002,
68.9373

■ 49.4732, 47.3088,
73.5424

■ 21.4178, 12.5706,
68.3159

■ 58.2091, 58.7476,
75.2899

■ 18.5502, 9.5018,
67.8747

■ 68.0948, 71.8551,
77.2988

■ 16.4394, 7.4676,
67.5933

■ 79.1712, 86.6952,
79.5795

■ 14.9706, 6.2664,
67.4389

■ 88.4036, 97.1817,
81.1170

■ 14.8790, 6.1933,
67.4296

■ 89.7863, 97.8945,
81.1817

Harmonies

Analogous

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



28.6582, 29.1586, 81.6373



35.2743, 29.1586, 70.7869



40.3921, 29.1586, 49.6458

Triad

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



35.2743, 29.1586, 70.7869



33.4096, 29.1586, 9.3594



17.1405, 29.1586, 34.4975

Complementary

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



35.2743, 29.1586, 70.7869



51.8138, 63.8264, 31.7801

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.



18.0129, 29.1586, 18.7709



35.2743, 29.1586, 70.7869



26.7915, 29.1586, 7.9387

Square

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



35.2743, 29.1586, 70.7869



39.2042, 29.1586, 15.6948



21.3200, 29.1586, 10.5940



18.7223, 29.1586, 56.1479

Rectangle

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



35.2743, 29.1586, 70.7869



41.8978, 29.1586, 35.3652



21.3200, 29.1586, 10.5940



17.1586, 29.1586, 28.3877

Sweetspot

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



35.2754, 29.1597, 70.7876



78.5142, 78.1200, 105.5483



41.8929, 48.9680, 74.2622



16.4508, 16.2558, 22.5206



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.



35.2754, 29.1597, 70.7876



43.3106, 33.1349, 98.7207



45.0920, 34.2204, 71.2470



12.6926, 12.7996, 16.4537



8.9173, 3.7212, 39.9867



0.6623, 0.2847, 2.5945

Inverse Universe

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



47.3392, 35.7310, 55.4409



62.8642, 43.8055, 72.9623



42.4463, 58.9973, 31.3417



13.4446, 13.2070, 15.6027



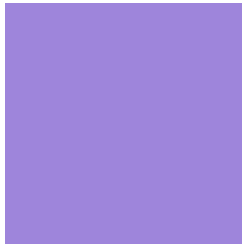
20.8968, 10.3597, 19.6342



1.3906, 0.6859, 1.4656

Previews

White Background



This preview shows how the XYZ color 35.2743, 29.1586, 70.7869 looks on a white background.

Color Contrast Check

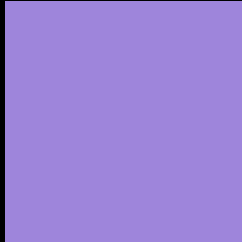
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.2743, 29.1586, 70.7869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

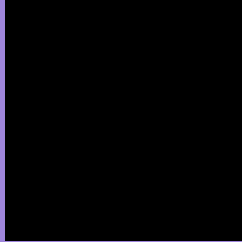
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.2743, 29.1586, 70.7869

Background



This preview shows how black text looks on a background with the XYZ color 35.2743, 29.1586, 70.7869.



This preview shows how white text looks on a background with the XYZ color 35.2743, 29.1586,

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

35.2743, 29.1586, 70.7869

Protanopia

31.3186, 29.3167, 78.1368

Deuteranopia

30.0097, 29.2975, 69.0391



Tritanopia

28.3045, 29.1374, 36.4800

Trichromacy



Original Color

35.2743, 29.1586, 70.7869

Protanomaly

32.3288, 29.0177, 75.1312

Deuteranomaly

31.5650, 28.9650, 69.5728

Tritanomaly

30.3408, 28.8291, 47.1455

Monochromacy



Original Color

35.2743, 29.1586, 70.7869

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.8480, 29.8140, 44.6862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2743, 29.1586, 70.7869 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(158, 133, 219)` looks like.

```
.text, #text, p{  
    color:rgb(158, 133, 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(158, 133, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 133, 219) }
```

Border

The CSS property to change the border of an element to XYZ 35.2743, 29.1586, 70.7869 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(158, 133, 219) }
```


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

```
.border{ border-color:rgb(158, 133, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 133, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 133, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 133, 219);  
box-shadow:4px 4px 4px 4px rgb(158, 133,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2743, 29.1586, 70.7869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 133, 219) }
```

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

```
.background{ background-color: rgb(158,  
133, 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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