

Converting Colors

XYZ(33.7576, 29.8780, 69.6340)

Have a look what the booklet for
XYZ(33.7576, 29.8780, 69.6340)
contains.

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Color

**XYZ(33.7565, 29.8769,
69.6333)**

Conversions

Conversions Part 1

Format	Color
Hex	928CD9
RGB	146, 140, 217
RGB Percent	57%, 55%, 85%
CMY	0.4274, 0.4510, 0.1490
CMYK	0.33, 0.35, 0.00, 0.15
HSL	245°, 50%, 70%
HSV	245°, 35%, 85%
XYZ	33.7565, 29.8769, 69.6333
YIQ	150.5720, -21.1410, 25.2190

Conversions

Conversions Part 2

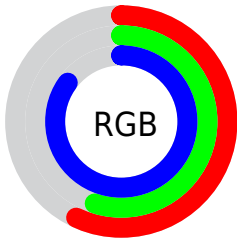
Format	Color
RYB	146, 140, 217
Decimal	9604313
CIELab	61.55, 19.83, -38.61
CIELCh	62, 43.403, 297.184
Yxy	29.8769, 0.2533, 0.2242
Android (android.graphics.Color)	4287794393 (0xFF928CD9)
YUV	150.5720, 32.7490, -4.0096
Hunter-Lab	54.6598, 14.5825, -37.2701

Details

The XYZ color **33.7565, 29.8769, 69.6333** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **56.4110, 65.3686, 34.4562**, and the grayscale version is **29.1048, 30.6205, 33.3458**.

A 20% lighter version of the original color is **61.6989, 58.3601, 102.6205**, and **14.6920, 12.2481, 35.7722** is the 20% darker color. If you saturate the color by 10%, you get **27.6419, 22.4732, 68.5271**, and if you desaturate by 10%, it is **41.1209, 38.8542, 70.9785**.

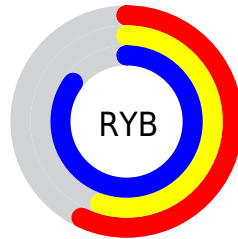
Distribution



Red (57%)

Green (55%)

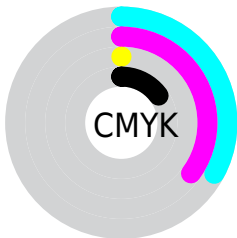
Blue (85%)



Red (57%)

Yellow (55%)

Blue (85%)

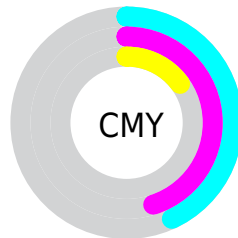


Cyan (33%)

Magenta (35%)

Yellow (0%)

Black (15%)



Cyan (43%)

Magenta (45%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7565, 29.8769, 69.6333 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 33.7565, 29.8769, 69.6333 by changing the saturation by 10% instead.

■ 33.7565, 29.8769,
69.6333

■ 33.7565, 29.8769,
69.6333

310.6500,
301.3302, 478.0157

■ 22.8686, 19.7452,
50.7527

■ 64.9016, 59.4674,
120.3619

■ 14.6167, 12.2099,
35.6365

■ 85.8896, 79.6951,
153.0469

■ 8.6354, 6.8868,
23.8661

■ 110.9749,
104.0567, 191.1705

■ 4.5593, 3.3914,
15.0230

140.5230,
132.9369, 235.1512

■ 2.0232, 1.3393,
8.6888

174.8992,
166.7200, 285.4075

■ 0.6469, 0.1714,
4.4447

214.4689,

■ 0.0000, 0.0000,

205.7903, 342.3580

1.8723

259.5973,
250.5322, 406.4212

■ 0.0000, 0.0000,
0.4750

■ 0.0000, 0.0000,
0.0000

■ 33.7565, 29.8769,
69.6333

■ 33.7565, 29.8769,
69.6333

■ 27.6419, 22.4732,
68.5271

■ 41.1209, 38.8542,
70.9785

■ 22.7046, 16.5492,
67.6438

■ 49.7960, 49.4850,
72.5732

■ 18.8695, 12.0060,
66.9690

■ 59.8424, 61.8479,
74.4300

■ 16.0514, 8.7316,
66.4855

■ 71.3161, 76.0154,
76.5599

■ 14.1525, 6.5961,
66.1734

■ 84.2698, 92.0560,
78.9733

■ 13.0556, 5.4415,
66.0084

■ 89.5245, 97.7898,
79.8031

■ 12.7541, 5.1281,
65.9638

Harmonies

Analogous

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



27.8571, 29.8769, 75.5415



33.7565, 29.8769, 69.6333



38.7452, 29.8769, 52.8976

Triad

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



33.7565, 29.8769, 69.6333



34.8238, 29.8769, 12.5091



18.7194, 29.8769, 30.9992

Complementary

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



33.7565, 29.8769, 69.6333



56.4110, 65.3686, 34.4562

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.



20.0780, 29.8769, 18.2052



33.7565, 29.8769, 69.6333



28.9440, 29.8769, 10.0390

Square

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



33.7565, 29.8769, 69.6333



39.4176, 29.8769, 20.0978



23.6373, 29.8769, 11.7040



19.6498, 29.8769, 49.2568

Rectangle

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



33.7565, 29.8769, 69.6333



40.6069, 29.8769, 40.0764



23.6373, 29.8769, 11.7040



18.9188, 29.8769, 25.9974

Sweetspot

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



33.7576, 29.8780, 69.6340



77.8619, 78.8112, 105.7161



46.8506, 57.6063, 74.2960



16.2494, 16.3569, 22.5507



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.



33.7576, 29.8780, 69.6340



41.5354, 34.4376, 99.0657



41.5828, 33.9121, 70.0002



12.4322, 12.6654, 16.4416



7.7552, 3.1222, 39.9323



0.5359, 0.2196, 2.5886

Inverse Universe

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



49.7519, 38.2120, 66.3818



68.1235, 48.2997, 93.2879



46.8621, 60.4460, 34.0094



13.5683, 13.2564, 16.2540



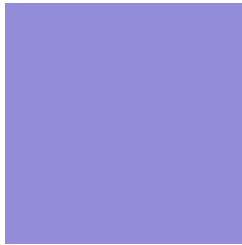
23.6575, 11.4640, 34.1720



1.5459, 0.7480, 2.2838

Previews

White Background



This preview shows how the XYZ color 33.7565, 29.8769, 69.6333 looks on a white background.

Color Contrast Check

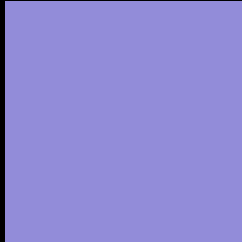
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7565, 29.8769, 69.6333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

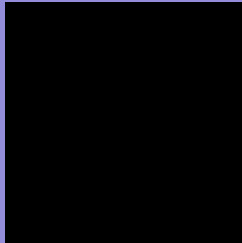
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7565, 29.8769, 69.6333

Background



This preview shows how black text looks on a background with the XYZ color 33.7565, 29.8769, 69.6333.



This preview shows how white text looks on a background with the XYZ color 33.7565, 29.8769,

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

33.7565, 29.8769, 69.6333

Protanopia

31.6321, 30.0426, 73.2389

Deuteranopia

30.5846, 29.8387, 68.4374



Tritanopia

27.5090, 29.8459, 38.9613

Trichromacy



Original Color

33.7565, 29.8769, 69.6333

Protanomaly

32.2516, 29.9391, 71.7891

Deuteranomaly

31.5738, 29.6502, 69.0247

Tritanomaly

29.4622, 29.6896, 48.9776

Monochromacy



Original Color

33.7565, 29.8769, 69.6333

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.5660, 30.3521, 44.8050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7565, 29.8769, 69.6333 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(146, 140, 217)` looks like.

```
.text, #text, p{  
    color:rgb(146, 140, 217)  
}
```

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(146, 140, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 140, 217) }
```

Border

The CSS property to change the border of an element to XYZ 33.7565, 29.8769, 69.6333 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(146, 140, 217) }
```


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

```
.border{ border-color:rgb(146, 140, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 140, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 140, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 140, 217);  
box-shadow:4px 4px 4px 4px rgb(146, 140,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7565, 29.8769, 69.6333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 140, 217) }
```

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

```
.background{ background-color: rgb(146,  
140, 217) }
```

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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