

Converting Colors

XYZ(37.6717, 33.1419, 76.4227)

Have a look what the booklet for
XYZ(37.6717, 33.1419, 76.4227)
contains.

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Color

**XYZ(37.7167, 33.1167,
76.3558)**

Conversions

Conversions Part 1

Format	Color
Hex	9C92E2
RGB	156, 146, 226
RGB Percent	61%, 57%, 89%
CMY	0.3882, 0.4274, 0.1137
CMYK	0.31, 0.35, 0.00, 0.11
HSL	248°, 58%, 73%
HSV	248°, 35%, 89%
XYZ	37.7167, 33.1167, 76.3558
YIQ	158.1100, -19.7200, 27.0000

Conversions

Conversions Part 2

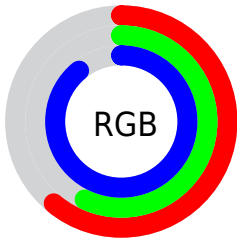
Format	Color
R_{YB}	156, 146, 226
Decimal	10261218
CIE _{Lab}	64.26, 21.50, -39.32
CIE _{LCh}	64, 44.810, 298.668
Yxy	33.1167, 0.2562, 0.2250
Android (android.graphics.Color)	4288451298 (0xFF9C92E2)
YUV	158.1100, 33.4698, -1.8505
Hunter-Lab	57.5471, 16.2825, -38.3854

Details

The XYZ color **37.7167, 33.1167, 76.3558** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **60.7041, 71.0676, 37.7133**, and the grayscale version is **32.4097, 34.0975, 37.1322**.

A 20% lighter version of the original color is **65.8557, 62.5256, 103.2054**, and **16.8274, 13.9115, 39.8285** is the 20% darker color. If you saturate the color by 10%, you get **31.0511, 25.0105, 75.1431**, and if you desaturate by 10%, it is **45.6962, 42.9238, 77.8288**.

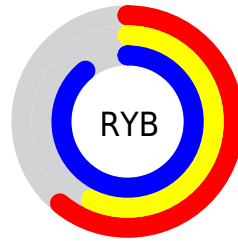
Distribution



Red (61%)

Green (57%)

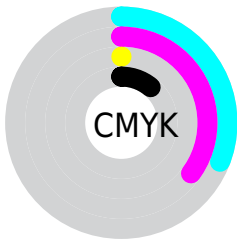
Blue (89%)



Red (61%)

Yellow (57%)

Blue (89%)

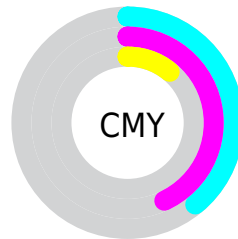


Cyan (31%)

Magenta (35%)

Yellow (0%)

Black (11%)



Cyan (39%)

Magenta (43%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7167, 33.1167, 76.3558 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 37.7167, 33.1167, 76.3558 by changing the saturation by 10% instead.

■ 37.7167, 33.1167,
76.3558

■ 37.7167, 33.1167,
76.3558

327.7050,
316.1753, 501.9440

■ 25.9391, 22.2159,
56.2159

■ 70.9804, 64.5577,
129.9944

■ 16.9105, 14.0156,
39.9709

■ 93.1972, 85.8666,
164.3302

■ 10.2656, 8.1315,
27.2022

119.6245,
111.4137, 204.2351

■ 5.6390, 4.1792,
17.4914

150.6276,
141.5833, 250.1275

■ 2.6654, 1.7743,
10.4198

186.5718,
176.7599, 302.4261

■ 0.9794, 0.4711,
5.5690

227.8226,

■ 0.0000, 0.0000,

217.3278, 361.5493

2.5203

274.7452,
263.6715, 427.9158

■ 0.0000, 0.0000,
0.8509

■ 0.0000, 0.0000,
0.0000

■ 37.7167, 33.1167,
76.3558

■ 37.7167, 33.1167,
76.3558

■ 31.0511, 25.0105,
75.1431

■ 45.6962, 42.9238,
77.8288

■ 25.6251, 18.5043,
74.1732

■ 55.0516, 54.5172,
79.5735

■ 21.3620, 13.4924,
73.4305

■ 65.8451, 67.9814,
81.6034

■ 18.1754, 9.8548,
72.8963

■ 78.1342, 83.3941,
83.9307

■ 15.9662, 7.4525,
72.5491

■ 90.6826, 98.2479,
86.1364

■ 14.6162, 6.1168,
72.3624

■ 90.7276, 98.2710,
86.1385

■ 14.2134, 5.7415,
72.3112

Harmonies

Analogous

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



31.1930, 33.1167, 83.6418



37.7167, 33.1167, 76.3558



43.1232, 33.1167, 57.5140

Triad

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



37.7167, 33.1167, 76.3558



38.2749, 33.1167, 13.6497



20.7631, 33.1167, 35.2504

Complementary

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



37.7167, 33.1167, 76.3558



60.7041, 71.0676, 37.7133

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.



22.1417, 33.1167, 20.7378



37.7167, 33.1167, 76.3558



31.7616, 33.1167, 11.1515

Square

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



37.7167, 33.1167, 76.3558



43.4748, 33.1167, 21.7284



25.9655, 33.1167, 13.2280



21.9176, 33.1167, 55.6102

Rectangle

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



37.7167, 33.1167, 76.3558



45.0576, 33.1167, 43.3890



25.9655, 33.1167, 13.2280



20.9418, 33.1167, 29.6039

Sweetspot

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



37.7179, 33.1180, 76.3566



78.2852, 79.0294, 105.7359



50.3095, 61.0569, 81.0857



16.3494, 16.4084, 22.5554



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.



37.7179, 33.1180, 76.3566



43.3804, 35.9755, 99.2653



46.5993, 37.6965, 76.7722



13.1105, 13.3250, 17.2687



8.1623, 3.3031, 41.2557



0.6187, 0.2562, 2.8621

Inverse Universe

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



54.0384, 41.6855, 70.1640



67.7829, 48.7959, 89.5449



50.4412, 65.7769, 37.2330



14.2174, 13.9046, 16.9150



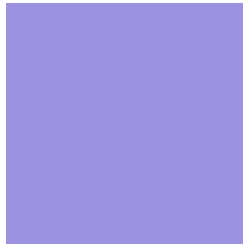
23.7222, 11.5559, 31.5323



1.6653, 0.8094, 2.2960

Previews

White Background



This preview shows how the XYZ color 37.7167, 33.1167, 76.3558 looks on a white background.

Color Contrast Check

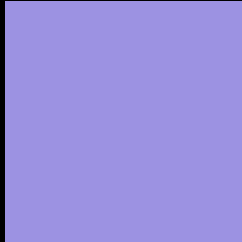
Large Text (above 18pt) WCAG AA × Fail

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 37.7167, 33.1167, 76.3558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

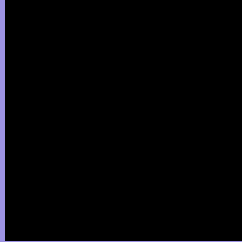
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7167, 33.1167, 76.3558

Background



This preview shows how black text looks on a background with the XYZ color 37.7167, 33.1167, 76.3558.



This preview shows how white text looks on a background with the XYZ color 37.7167, 33.1167,

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

37.7167, 33.1167, 76.3558

Protanopia

35.0100, 33.2758, 80.9216

Deuteranopia

34.0634, 33.1601, 75.1262



Tritanopia

30.8143, 32.9455, 42.7652

Trichromacy



Original Color

37.7167, 33.1167, 76.3558

Protanomaly

35.8367, 33.0148, 79.3466

Deuteranomaly

35.3047, 33.0584, 75.7543

Tritanomaly

32.8982, 32.7961, 53.3115

Monochromacy



Original Color

37.7167, 33.1167, 76.3558

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.0075, 33.6982, 49.5118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7167, 33.1167, 76.3558 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(156, 146, 226)` looks like.

```
.text, #text, p{  
    color:rgb(156, 146, 226)  
}
```

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(156, 146, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 146, 226) }
```

Border

The CSS property to change the border of an element to XYZ 37.7167, 33.1167, 76.3558 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(156, 146, 226) }
```


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

```
.border{ border-color:rgb(156, 146, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 146, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 146, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 146, 226);  
box-shadow:4px 4px 4px 4px rgb(156, 146,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7167, 33.1167, 76.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 146, 226) }
```

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

```
.background{ background-color: rgb(156,  
146, 226) }
```

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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