

Converting Colors

XYZ(37.0981, 32.4491, 78.1002)

Have a look what the booklet for
XYZ(37.0981, 32.4491, 78.1002)
contains.

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Color

**XYZ(37.2172, 32.5833,
78.4564)**

Conversions

Conversions Part 1

Format	Color
Hex	9891E5
RGB	152, 145, 229
RGB Percent	60%, 57%, 90%
CMY	0.4039, 0.4314, 0.1020
CMYK	0.34, 0.37, 0.00, 0.10
HSL	245°, 62%, 73%
HSV	245°, 37%, 90%
XYZ	37.2172, 32.5833, 78.4564
YIQ	156.6690, -22.7920, 27.6080

Conversions

Conversions Part 2

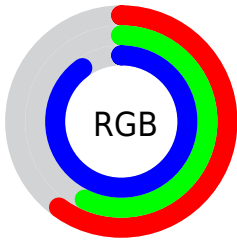
Format	Color
RYB	152, 145, 229
Decimal	9998821
CIELab	63.82, 21.73, -41.68
CIELCh	64, 47.005, 297.542
Yxy	32.5833, 0.2510, 0.2198
Android (android.graphics.Color)	4288188901 (0xFF9891E5)
YUV	156.6690, 35.6592, -4.0947
Hunter-Lab	57.0818, 16.4885, -41.5342

Details

The XYZ color **37.2172, 32.5833, 78.4564** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **63.2546, 73.6130, 37.6639**, and the grayscale version is **31.7526, 33.4062, 36.3794**.

A 20% lighter version of the original color is **64.4858, 61.4767, 103.0752**, and **16.6720, 13.7982, 41.3198** is the 20% darker color. If you saturate the color by 10%, you get **30.4771, 24.4277, 77.2381**, and if you desaturate by 10%, it is **45.3602, 42.5102, 79.9439**.

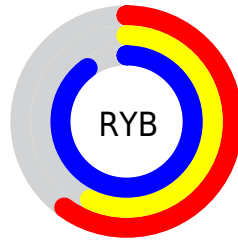
Distribution



Red (60%)

Green (57%)

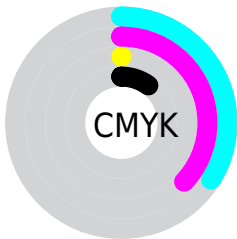
Blue (90%)



Red (60%)

Yellow (57%)

Blue (90%)

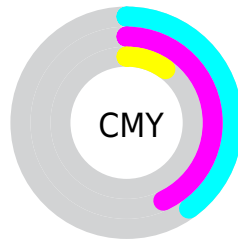


Cyan (34%)

Magenta (37%)

Yellow (0%)

Black (10%)



Cyan (40%)

Magenta (43%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2172, 32.5833, 78.4564 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 37.2172, 32.5833, 78.4564 by changing the saturation by 10% instead.

■ 37.2172, 32.5833,
78.4564

■ 37.2172, 32.5833,
78.4564

325.5891,
313.7679, 509.2844

■ 25.5502, 21.8074,
57.9303

■ 70.2184, 63.7244,
132.9850

■ 16.6183, 13.7155,
41.3383

■ 92.2832, 84.8584,
167.8246

■ 10.0564, 7.9230,
28.2618

118.5447,
110.2139, 208.2725

■ 5.4989, 4.0457,
18.2824

149.3682,
140.1754, 254.7471

■ 2.5806, 1.6992,
10.9814

185.1190,
175.1271, 307.6671

■ 0.9361, 0.4231,
5.9403

226.1625,

■ 0.0000, 0.0000,

215.4534, 367.4509

2.7406

272.8641,
261.5389, 434.5172

■ 0.0000, 0.0000,
0.9638

■ 0.0000, 0.0000,
0.0000

■ 37.2172, 32.5833,
78.4564

■ 37.2172, 32.5833,
78.4564

■ 30.4771, 24.4277,
77.2381

■ 45.3602, 42.5102,
79.9439

■ 25.0571, 17.9356,
76.2706

■ 54.9755, 54.3003,
81.7128

■ 20.8710, 12.9932,
75.5373

■ 66.1322, 68.0437,
83.7776

■ 17.8211, 9.4706,
75.0181

■ 78.8941, 83.8234,
86.1507

■ 15.7945, 7.2168,
74.6899

■ 91.1430, 98.4372,
88.3259

■ 14.6529, 6.0426,
74.5234

■ 14.4132, 5.7965,
74.4885

Harmonies

Analogous

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



30.4282, 32.5833, 85.5986



37.2172, 32.5833, 78.4564



42.9616, 32.5833, 58.7817

Triad

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



37.2172, 32.5833, 78.4564



38.2933, 32.5833, 12.7952



19.9403, 32.5833, 33.9412

Complementary

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



37.2172, 32.5833, 78.4564



63.2546, 73.6130, 37.6639

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.



21.4465, 32.5833, 19.3259



37.2172, 32.5833, 78.4564



31.5171, 32.5833, 10.1427

Square

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



37.2172, 32.5833, 78.4564



43.6424, 32.5833, 21.1837



25.4632, 32.5833, 12.0213



21.0232, 32.5833, 55.0809

Rectangle

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



37.2172, 32.5833, 78.4564



45.0905, 32.5833, 43.9118



25.4632, 32.5833, 12.0213



20.1552, 32.5833, 28.1992

Sweetspot

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



37.2184, 32.5845, 78.4572



77.9105, 78.8363, 105.7183



51.9420, 63.9202, 83.7296



16.2609, 16.3628, 22.5512



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.



37.2184, 32.5845, 78.4572



40.8198, 33.4950, 98.9215



46.5173, 37.3783, 78.8924



13.6936, 13.9443, 18.1141



8.2812, 3.3350, 42.5904



0.6508, 0.2664, 3.1491

Inverse Universe

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



55.6239, 42.1836, 74.3174



67.6130, 47.4771, 92.5061



51.9534, 67.7870, 37.1351



14.9406, 14.5934, 17.8874



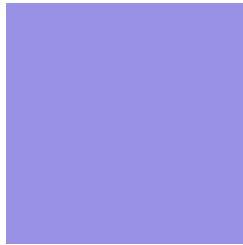
25.1418, 12.1909, 35.9711



1.8733, 0.9070, 2.7392

Previews

White Background



This preview shows how the XYZ color 37.2172, 32.5833, 78.4564 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 37.2172, 32.5833, 78.4564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

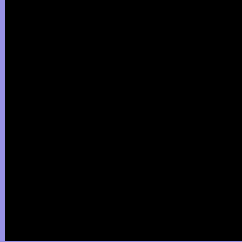
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2172, 32.5833, 78.4564

Background



This preview shows how black text looks on a background with the XYZ color 37.2172, 32.5833, 78.4564.



This preview shows how white text looks on a background with the XYZ color 37.2172, 32.5833,

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

37.2172, 32.5833, 78.4564

Protanopia

34.6811, 32.8146, 83.1032

Deuteranopia

33.4247, 32.5395, 77.1921



Tritanopia

29.9601, 32.5052, 42.7253

Trichromacy



Original Color

37.2172, 32.5833, 78.4564

Protanomaly

35.4471, 32.5290, 81.5013

Deuteranomaly

34.7415, 32.4825, 77.8375

Tritanomaly

32.2968, 32.4733, 53.8560

Monochromacy



Original Color

37.2172, 32.5833, 78.4564

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.4560, 33.1699, 49.4389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2172, 32.5833, 78.4564 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(152, 145, 229)` looks like.

```
.text, #text, p{  
    color:rgb(152, 145, 229)  
}
```

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(152, 145, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 145, 229) }
```

Border

The CSS property to change the border of an element to XYZ 37.2172, 32.5833, 78.4564 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(152, 145, 229) }
```


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

```
.border{ border-color:rgb(152, 145, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 145, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 145, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 145, 229);  
box-shadow:4px 4px 4px 4px rgb(152, 145,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2172, 32.5833, 78.4564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 145, 229) }
```

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

```
.background{ background-color: rgb(152,  
145, 229) }
```

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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