

Converting Colors

XYZ(37.1805, 32.6130, 76.2875)

Have a look what the booklet for
XYZ(37.1805, 32.6130, 76.2875)
contains.

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Color

**XYZ(37.1793, 32.6118,
76.2867)**

Conversions

Conversions Part 1

Format	Color
Hex	9A91E2
RGB	154, 145, 226
RGB Percent	60%, 57%, 89%
CMY	0.3961, 0.4314, 0.1137
CMYK	0.32, 0.36, 0.00, 0.11
HSL	247°, 58%, 73%
HSV	247°, 36%, 89%
XYZ	37.1793, 32.6118, 76.2867
YIQ	156.9250, -20.6370, 27.0990

Conversions

Conversions Part 2

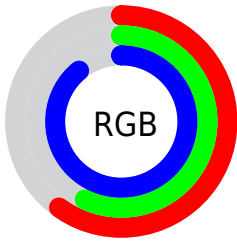
Format	Color
RYB	154, 145, 226
Decimal	10129890
CIELab	63.85, 21.51, -39.97
CIElCh	64, 45.390, 298.288
Yxy	32.6118, 0.2545, 0.2232
Android (android.graphics.Color)	4288319970 (0xFF9A91E2)
YUV	156.9250, 34.0540, -2.5652
Hunter-Lab	57.1067, 16.2755, -39.2285

Details

The XYZ color **37.1793, 32.6118, 76.2867** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **60.9231, 71.1894, 37.3192**, and the grayscale version is **31.8735, 33.5334, 36.5179**.

A 20% lighter version of the original color is **65.0518, 61.7685, 103.1017**, and **16.6034, 13.7960, 39.8180** is the 20% darker color. If you saturate the color by 10%, you get **30.5546, 24.5705, 75.0843**, and if you desaturate by 10%, it is **45.1331, 42.3592, 77.7495**.

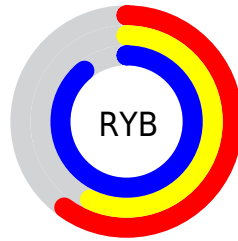
Distribution



Red (60%)

Green (57%)

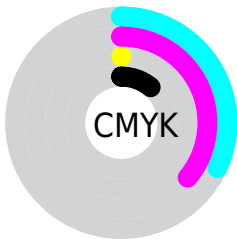
Blue (89%)



Red (60%)

Yellow (57%)

Blue (89%)

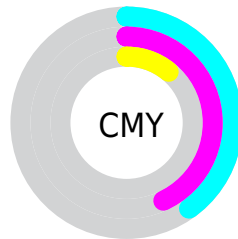


Cyan (32%)

Magenta (36%)

Yellow (0%)

Black (11%)



Cyan (40%)

Magenta (43%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1793, 32.6118, 76.2867 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 37.1793, 32.6118, 76.2867 by changing the saturation by 10% instead.

■ 37.1793, 32.6118,
76.2867

■ 37.1793, 32.6118,
76.2867

325.4282,
313.8968, 501.7015

■ 25.5207, 21.8292,
56.1596

■ 70.1605, 63.7690,
129.8959

■ 16.5962, 13.7315,
39.9260

■ 92.2138, 84.9124,
164.2150

■ 10.0405, 7.9341,
27.1675

118.4626,
110.2782, 204.1019

■ 5.4883, 4.0528,
17.4655

149.2724,
140.2507, 249.9751

■ 2.5742, 1.7032,
10.4015

185.0085,
175.2145, 302.2531

■ 0.9328, 0.4257,
5.5569

226.0363,

■ 0.0000, 0.0000,

215.5538, 361.3545

2.5132

272.7211,
261.6532, 427.6978

■ 0.0000, 0.0000,
0.8471

■ 0.0000, 0.0000,
0.0000

■ 37.1793, 32.6118,
76.2867

■ 37.1793, 32.6118,
76.2867

■ 30.5546, 24.5705,
75.0843

■ 45.1331, 42.3592,
77.7495

■ 25.1826, 18.1333,
74.1249

■ 54.4796, 53.8992,
79.4843

■ 20.9848, 13.1930,
73.3926

■ 65.2827, 67.3173,
81.5049

■ 17.8720, 9.6277,
72.8685

■ 77.6010, 82.6920,
83.8233

■ 15.7419, 7.2963,
72.5308

■ 90.5245, 98.1663,
86.1290

■ 14.4720, 6.0263,
72.3526

■ 90.7276, 98.2710,
86.1385

■ 14.1313, 5.6991,
72.3074

Harmonies

Analogous

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



30.6315, 32.6118, 83.4580



37.1793, 32.6118, 76.2867



42.6439, 32.6118, 57.3563

Triad

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



37.1793, 32.6118, 76.2867



37.9005, 32.6118, 13.2265



20.2829, 32.6118, 34.4695

Complementary

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



37.1793, 32.6118, 76.2867



60.9231, 71.1894, 37.3192

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.



21.6903, 32.6118, 20.0610



37.1793, 32.6118, 76.2867



31.3644, 32.6118, 10.7003

Square

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



37.1793, 32.6118, 76.2867



43.0988, 32.6118, 21.3291



25.5403, 32.6118, 12.6906



21.4027, 32.6118, 54.8900

Rectangle

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



37.1793, 32.6118, 76.2867



44.6229, 32.6118, 43.1265



25.5403, 32.6118, 12.6906



20.4719, 32.6118, 28.8453

Sweetspot

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



37.1805, 32.6130, 76.2875



78.1600, 78.9649, 105.7300



50.4509, 61.6026, 81.1836



16.3198, 16.3932, 22.5540



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.



37.1805, 32.6130, 76.2875



42.2381, 34.7999, 99.0986



45.9994, 37.1594, 76.7002



13.0927, 13.3158, 17.2678



8.1110, 3.2767, 41.2533



0.6102, 0.2519, 2.8617

Inverse Universe

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



54.0146, 41.4303, 70.7959



67.5688, 48.0779, 90.3669



50.5308, 65.8320, 36.8328



14.2260, 13.9080, 16.9602



23.9278, 11.6381, 32.6150



1.6775, 0.8143, 2.3606

Previews

White Background



This preview shows how the XYZ color 37.1793, 32.6118, 76.2867 looks on a white background.

Color Contrast Check

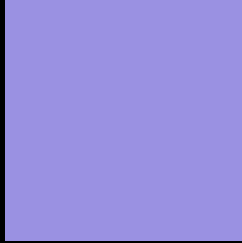
Large Text (above 18pt) WCAG AA × Fail

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 37.1793, 32.6118, 76.2867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

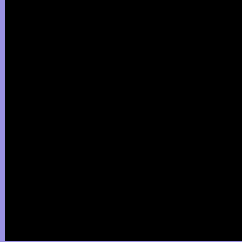
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1793, 32.6118, 76.2867

Background



This preview shows how black text looks on a background with the XYZ color 37.1793, 32.6118, 76.2867.



This preview shows how white text looks on a background with the XYZ color 37.1793, 32.6118,

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

37.1793, 32.6118, 76.2867

Protanopia

34.5461, 32.7947, 80.8532

Deuteranopia

33.4500, 32.5999, 75.0504



Tritanopia

30.3737, 32.7293, 42.2526

Trichromacy



Original Color

37.1793, 32.6118, 76.2867

Protanomaly

35.3469, 32.5264, 79.2782

Deuteranomaly

34.6503, 32.4832, 75.6778

Tritanomaly

32.5396, 32.6112, 53.2948

Monochromacy



Original Color

37.1793, 32.6118, 76.2867

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.5450, 33.2278, 48.9016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1793, 32.6118, 76.2867 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(154, 145, 226)` looks like.

```
.text, #text, p{  
    color:rgb(154, 145, 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(154, 145, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 145, 226) }
```

Border

The CSS property to change the border of an element to XYZ 37.1793, 32.6118, 76.2867 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(154, 145, 226) }
```


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

```
.border{ border-color:rgb(154, 145, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 145, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 145, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 145, 226);  
box-shadow:4px 4px 4px 4px rgb(154, 145,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1793, 32.6118, 76.2867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 145, 226) }
```

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

```
.background{ background-color: rgb(154,  
145, 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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