

Converting Colors

XYZ(37.2130, 32.8038, 75.7458)

Have a look what the booklet for
XYZ(37.2130, 32.8038, 75.7458)
contains.

XYZ(37.1959, 32.8640, 75.6171)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.1959, 32.8640,
75.6171)**

Conversions

Conversions Part 1

Format	Color
Hex	9A92E1
RGB	154, 146, 225
RGB Percent	60%, 57%, 88%
CMY	0.3961, 0.4274, 0.1176
CMYK	0.32, 0.35, 0.00, 0.12
HSL	246°, 57%, 73%
HSV	246°, 35%, 88%
XYZ	37.1959, 32.8640, 75.6171
YIQ	157.3980, -20.5910, 26.2650

Conversions

Conversions Part 2

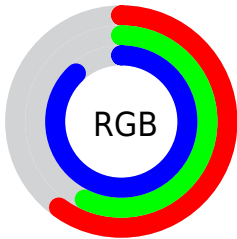
Format	Color
RYB	154, 146, 225
Decimal	10130145
CIELab	64.05, 20.68, -39.09
CIELCh	64, 44.227, 297.878
Yxy	32.8640, 0.2553, 0.2256
Android (android.graphics.Color)	4288320225 (0xFF9A92E1)
YUV	157.3980, 33.3278, -2.9800
Hunter-Lab	57.3271, 15.4947, -38.0772

Details

The XYZ color **37.1959, 32.8640, 75.6171** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **60.7293, 70.6780, 37.6367**, and the grayscale version is **32.0891, 33.7602, 36.7649**.

A 20% lighter version of the original color is **65.2826, 62.2302, 103.1786**, and **16.5998, 13.9396, 39.3518** is the 20% darker color. If you saturate the color by 10%, you get **30.5330, 24.7777, 74.4080**, and if you desaturate by 10%, it is **45.1920, 42.6521, 77.0855**.

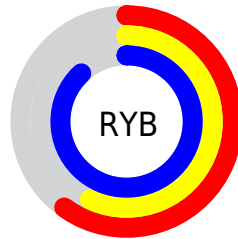
Distribution



Red (60%)

Green (57%)

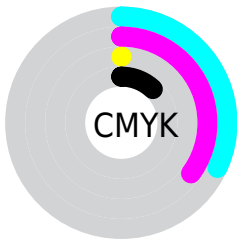
Blue (88%)



Red (60%)

Yellow (57%)

Blue (88%)

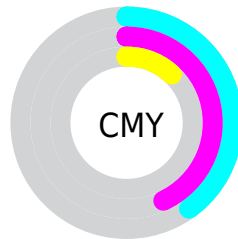


Cyan (32%)

Magenta (35%)

Yellow (0%)

Black (12%)



Cyan (40%)

Magenta (43%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1959, 32.8640, 75.6171 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 37.1959, 32.8640, 75.6171 by changing the saturation by 10% instead.

■ 37.1959, 32.8640,
75.6171

■ 37.1959, 32.8640,
75.6171

325.4987,
315.0365, 499.3478

■ 25.5336, 22.0223,
55.6138

■ 70.1859, 64.1631,
128.9406

■ 16.6059, 13.8733,
39.4915

■ 92.2442, 85.3894,
163.0980

■ 10.0474, 8.0326,
26.8315

118.4986,
110.8459, 202.8104

■ 5.4929, 4.1158,
17.2154

149.3144,
140.9170, 248.4964

■ 2.5770, 1.7385,
10.2246

185.0569,
175.9873, 300.5747

■ 0.9342, 0.4484,
5.4406

226.0916,

■ 0.0000, 0.0000,

216.4410, 359.4636

2.4448

272.7837,
262.6626, 425.5818

■ 0.0000, 0.0000,
0.8107

■ 0.0000, 0.0000,
0.0000

■ 37.1959, 32.8640,
75.6171

■ 37.1959, 32.8640,
75.6171

■ 30.5330, 24.7777,
74.4080

■ 45.1920, 42.6521,
77.0855

■ 25.1270, 18.2922,
73.4411

■ 54.5850, 54.2276,
78.8248

■ 20.8995, 13.3016,
72.7007

■ 65.4385, 67.6750,
80.8483

■ 17.7616, 9.6859,
72.1682

■ 77.8113, 83.0723,
83.1682

■ 15.6114, 7.3062,
71.8222

■ 90.5907, 98.2163,
85.4177

■ 14.3273, 5.9937,
71.6365

■ 13.9392, 5.6159,
71.5840

Harmonies

Analogous

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



30.7935, 32.8640, 82.3423



37.1959, 32.8640, 75.6171



42.5531, 32.8640, 57.3682

Triad

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



37.1959, 32.8640, 75.6171



38.0682, 32.8640, 13.8410



20.7050, 32.8640, 34.5244

Complementary

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



37.1959, 32.8640, 75.6171



60.7293, 70.6780, 37.6367

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.



22.1280, 32.8640, 20.4317



37.1959, 32.8640, 75.6171



31.6832, 32.8640, 11.2403

Square

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



37.1959, 32.8640, 75.6171



43.1021, 32.8640, 21.9883



25.9498, 32.8640, 13.1757



21.7764, 32.8640, 54.3985

Rectangle

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



37.1959, 32.8640, 75.6171



44.5129, 32.8640, 43.5043



25.9498, 32.8640, 13.1757



20.9029, 32.8640, 29.0346

Sweetspot

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



37.1971, 32.8653, 75.6179



78.0714, 78.9192, 105.7259



50.2842, 61.2253, 80.4022



16.2989, 16.3824, 22.5530



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.



37.1971, 32.8653, 75.6179



42.8721, 35.7135, 99.2415



45.9649, 37.3852, 76.0282



13.0802, 13.3094, 17.2672



8.0776, 3.2595, 41.2518



0.6043, 0.2488, 2.8614

Inverse Universe

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



53.8553, 41.5761, 70.8324



68.1667, 48.9494, 91.5657



50.3829, 65.3442, 37.1525



14.2321, 13.9105, 16.9922



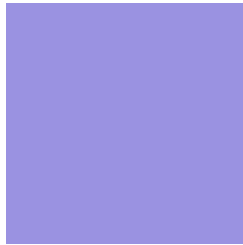
24.0760, 11.6974, 33.3957



1.6863, 0.8178, 2.4071

Previews

White Background



This preview shows how the XYZ color 37.1959, 32.8640, 75.6171 looks on a white background.

Color Contrast Check

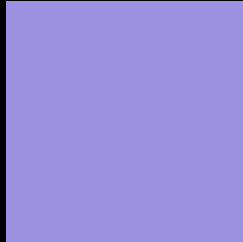
Large Text (above 18pt) WCAG AA × Fail

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 37.1959, 32.8640, 75.6171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

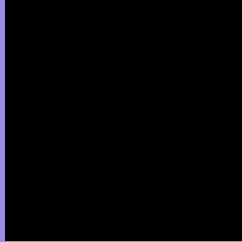
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1959, 32.8640, 75.6171

Background



This preview shows how black text looks on a background with the XYZ color 37.1959, 32.8640, 75.6171.



This preview shows how white text looks on a background with the XYZ color 37.1959, 32.8640,

75.6171.

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

37.1959, 32.8640, 75.6171

Protanopia

34.7274, 33.1628, 79.4336

Deuteranopia

33.7770, 33.0281, 74.4069



Tritanopia

30.4680, 32.7670, 42.7490

Trichromacy



Original Color

37.1959, 32.8640, 75.6171

Protanomaly

35.3912, 32.8174, 77.8679

Deuteranomaly

34.8377, 32.8334, 75.0223

Tritanomaly

32.5396, 32.6112, 53.2948

Monochromacy



Original Color

37.1959, 32.8640, 75.6171

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 37.1959, 32.8640, 75.6171 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, 146, 225)` looks like.

```
.text, #text, p{  
    color:rgb(154, 146, 225)  
}
```

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, 146, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 146, 225) }
```

Border

The CSS property to change the border of an element to XYZ 37.1959, 32.8640, 75.6171 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, 146, 225) }
```


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

```
.border{ border-color:rgb(154, 146, 225) }
```

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

Here you see how a box with a 4 pixel rgb(154, 146, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 146, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 146, 225);  
box-shadow:4px 4px 4px 4px rgb(154, 146,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1959, 32.8640, 75.6171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 146, 225) }
```

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

```
.background{ background-color: rgb(154,  
146, 225) }
```

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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