

Converting Colors

XYZ(32.2882, 33.4609, 37.7230)

Have a look what the booklet for
XYZ(32.2882, 33.4609, 37.7230)
contains.

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Color

**XYZ(32.2470, 33.5492,
37.5769)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9C9F
RGB	158, 156, 159
RGB Percent	62%, 61%, 62%
CMY	0.3804, 0.3882, 0.3765
CMYK	0.01, 0.02, 0.00, 0.38
HSL	280°, 2%, 62%
HSV	280°, 2%, 62%
XYZ	32.2470, 33.5492, 37.5769
YIQ	156.9400, 0.2290, 1.3570

Conversions

Conversions Part 2

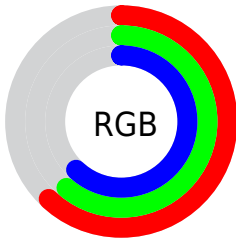
Format	Color
R_{YB}	158, 156, 159
Decimal	10394783
CIE Lab	64.60, 1.30, -1.32
CIE LCh	65, 1.850, 314.668
Yxy	33.5492, 0.3119, 0.3245
Android (android.graphics.Color)	4288584863 (0xFF9E9C9F)
YUV	156.9400, 1.0156, 0.9296
Hunter-Lab	57.9217, -1.9858, 2.0806

Details

The XYZ color **32.2470, 33.5492, 37.5769** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.3047, 34.3655, 36.3847**, and the grayscale version is **32.0171, 33.6845, 36.6824**.

A 20% lighter version of the original color is **62.6248, 65.0944, 72.8821**, and **13.8218, 14.3117, 16.2213** is the 20% darker color. If you saturate the color by 10%, you get **28.7310, 28.0325, 36.6979**, and if you desaturate by 10%, it is **36.1593, 39.7905, 38.5759**.

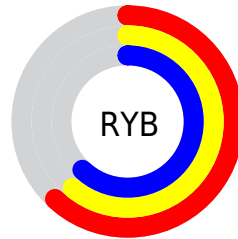
Distribution



Red (62%)

Green (61%)

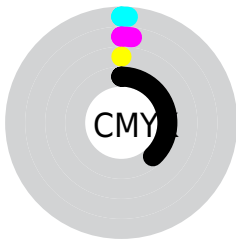
Blue (62%)



Red (62%)

Yellow (61%)

Blue (62%)

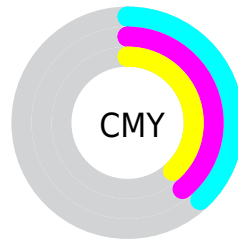


Cyan (1%)

Magenta (2%)

Yellow (0%)

Black (38%)



Cyan (38%)

Magenta (39%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2470, 33.5492, 37.5769 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 32.2470, 33.5492, 37.5769 by changing the saturation by 10% instead.

■ 32.2470, 33.5492,
37.5769

■ 32.2470, 33.5492,
37.5769

303.9682,
318.1172, 351.0451

■ 21.7067, 22.5475,
25.3552

■ 62.5607, 65.2320,
72.6554

■ 13.7569, 14.2597,
16.1205

■ 83.0648, 86.6819,
96.3492

■ 8.0324, 8.3015,
9.4542

107.6208,
112.3834, 124.7042

■ 4.1676, 4.2885,
4.9377

136.5942,
142.7207, 158.1389

■ 1.7974, 1.8362,
2.1527

170.3503,
178.0784, 197.0718

■ 0.5161, 0.5096,
0.6469

209.2544,

■ 0.0000, 0.0000,

218.8408, 241.9214

0.0000

253.6720,
265.3923, 293.1063

■ 32.2470, 33.5492,
37.5769

■ 32.2470, 33.5492,
37.5769

■ 28.7310, 28.0325,
36.6979

■ 36.1593, 39.7905,
38.5759

■ 25.5943, 23.2089,
35.9322

■ 40.4782, 46.7780,
39.6970

■ 22.8230, 19.0510,
35.2757

■ 45.2173, 54.5373,
40.9449

■ 20.4012, 15.5276,
34.7232

■ 50.3887, 63.0920,
42.3236

■ 18.3116, 12.6053,
34.2693

■ 56.0040, 72.4643,
43.8366

■ 16.5355, 10.2473,
33.9078

■ 62.0742, 82.6756,
45.4877

■ 15.0520, 8.4129,
33.6319

■ 64.5583, 85.6431,
45.9296

■ 13.8373, 7.0555,
33.4339

■ 65.9547, 86.3630,
45.9949

■ 12.8635, 6.1203,
33.3047

■ 67.4003, 87.1083,
46.0626

Harmonies

Analogous

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



32.0167, 33.5492, 37.9591



32.2470, 33.5492, 37.5769



32.3814, 33.5492, 36.9165

Triad

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



32.2470, 33.5492, 37.5769



32.0224, 33.5492, 35.1402



31.3972, 33.5492, 36.9001

Complementary

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



32.2470, 33.5492, 37.5769



32.3047, 34.3655, 36.3847

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.



31.3987, 33.5492, 36.1449



32.2470, 33.5492, 37.5769



31.7587, 33.5492, 35.1360

Square

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



32.2470, 33.5492, 37.5769



32.2512, 33.5492, 35.5132



31.5307, 33.5492, 35.5015



31.5266, 33.5492, 37.5647

Rectangle

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



32.2470, 33.5492, 37.5769



32.3980, 33.5492, 36.4108



31.5307, 33.5492, 35.5015



31.3824, 33.5492, 36.6482

Sweetspot

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



32.2480, 33.5506, 37.5776



58.3307, 61.0013, 67.4435



32.0350, 33.7033, 37.6183



13.1596, 13.7670, 15.2074



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.2480, 33.5506, 37.5776



57.6508, 59.9246, 67.2715



32.4065, 33.6369, 37.3817



7.2848, 7.5807, 8.4860



9.6786, 4.4185, 26.2500



0.2160, 0.1011, 0.4714

Inverse Universe

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



32.2735, 33.5837, 36.6813



57.7003, 59.9885, 65.5371



32.1486, 34.2806, 36.5765



7.2904, 7.5880, 8.2875



11.8192, 6.0323, 3.2990



0.2299, 0.1153, 0.1567

Previews

White Background



This preview shows how the XYZ color 32.2470, 33.5492, 37.5769 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 32.2470, 33.5492, 37.5769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

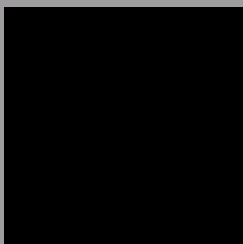
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

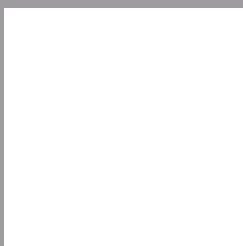
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2470, 33.5492, 37.5769

Background



This preview shows how black text looks on a background with the XYZ color 32.2470, 33.5492, 37.5769.



This preview shows how white text looks on a background with the XYZ color 32.2470, 33.5492,

37.5769.

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

32.2470, 33.5492, 37.5769

Protanopia

32.4446, 33.6511, 37.5862

Deuteranopia

34.1510, 33.5406, 37.9317



Tritanopia

32.9945, 33.6036, 41.3064

Trichromacy



Original Color

32.2470, 33.5492, 37.5769

Protanomaly

32.4446, 33.6511, 37.5862

Deuteranomaly

33.4623, 33.4275, 37.9462

Tritanomaly

32.7203, 33.4940, 39.8624

Monochromacy



Original Color

32.2470, 33.5492, 37.5769

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.1332, 33.7507, 37.1687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2470, 33.5492, 37.5769 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(158, 156, 159) looks like.

```
.text, #text, p{  
    color:rgb(158, 156, 159)  
}
```

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(158, 156, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 156, 159) }
```

Border

The CSS property to change the border of an element to XYZ 32.2470, 33.5492, 37.5769 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(158, 156, 159) }
```


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

```
.border{ border-color:rgb(158, 156, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 156, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 156, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 156, 159);  
box-shadow:4px 4px 4px 4px rgb(158, 156,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2470, 33.5492, 37.5769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 156, 159) }
```

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

```
.background{ background-color: rgb(158,  
156, 159) }
```

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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