

Converting Colors

XYZ(23.8367, 21.8774, 18.2309)

Have a look what the booklet for
XYZ(23.8367, 21.8774, 18.2309)
contains.

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Color

**XYZ(23.9392, 21.9737,
18.3089)**

Conversions

Conversions Part 1

Format	Color
Hex	9F7870
RGB	159, 120, 112
RGB Percent	62%, 47%, 44%
CMY	0.3765, 0.5294, 0.5608
CMYK	0.00, 0.25, 0.30, 0.38
HSL	10°, 20%, 53%
HSV	10°, 30%, 62%
XYZ	23.9392, 21.9737, 18.3089
YIQ	130.7490, 25.8120, 5.7800

Conversions

Conversions Part 2

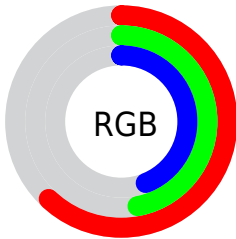
Format	Color
R_{YB}	159, 122, 112
Decimal	10451056
CIE _{Lab}	54.00, 14.04, 10.30
CIE _{LCh}	54, 17.413, 36.254
Yxy	21.9737, 0.3728, 0.3422
Android (android.graphics.Color)	4288641136 (0xFF9F7870)
YUV	130.7490, -9.2433, 24.7761
Hunter-Lab	46.8761, 9.1251, 9.6558

Details

The XYZ color **23.9392, 21.9737, 18.3089** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.0065, 28.0805, 36.9559**, and the grayscale version is **21.5098, 22.6300, 24.6441**.

A 20% lighter version of the original color is **49.4777, 46.6325, 41.5152**, and **9.1225, 7.9408, 5.9024** is the 20% darker color. If you saturate the color by 10%, you get **21.6522, 18.6934, 13.5577**, and if you desaturate by 10%, it is **26.6024, 25.7558, 23.9573**.

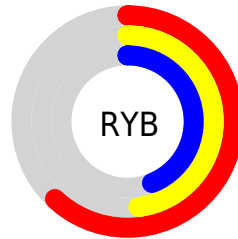
Distribution



Red (62%)

Green (47%)

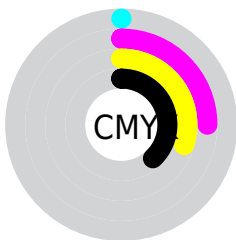
Blue (44%)



Red (62%)

Yellow (48%)

Blue (44%)

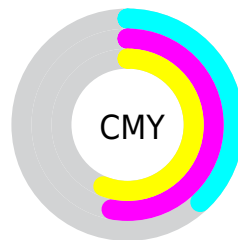


Cyan (0%)

Magenta (25%)

Yellow (30%)

Black (38%)



Cyan (38%)

Magenta (53%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9392, 21.9737, 18.3089 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 23.9392, 21.9737, 18.3089 by changing the saturation by 10% instead.

■ 23.9392, 21.9737,
18.3089

■ 23.9392, 21.9737,
18.3089

264.9591,
262.4089, 254.9008

■ 15.4130, 13.8376,
11.0003

■ 49.3864, 46.7025,
41.3840

■ 9.1980, 8.0078,
5.9528

■ 67.0381, 64.0640,
57.9876

■ 4.9287, 4.0999,
2.7481

■ 88.4623, 85.2694,
78.5265

■ 2.2398, 1.7296,
0.9675

■ 114.0244,
110.7031, 103.4193

■ 0.7636, 0.4427,
0.0000

144.0898,
140.7495, 133.0846

■ 0.0000, 0.0000,
0.0000

179.0238,

175.7930, 167.9410

219.1918,
216.2180, 208.4068

■ 23.9392, 21.9737,
18.3089

■ 23.9392, 21.9737,
18.3089

■ 21.6522, 18.6934,
13.5577

■ 26.6024, 25.7558,
23.9573

■ 19.7224, 15.8909,
9.6562

■ 29.6560, 30.0565,
30.5444

■ 18.1321, 13.5445,
6.5542

■ 33.1156, 34.8955,
38.1110

■ 16.8610, 11.6298,
4.1960

■ 36.9956, 40.2905,
46.6947

■ 15.8868, 10.1201,
2.5185

■ 41.3094, 46.2587,
56.3315

■ 15.1839, 8.9856,
1.4482

■ 46.0700, 52.8161,
67.0554

■ 14.7091, 8.1868,
0.8251

■ 51.2898, 59.9784,
78.8990

■ 14.6918, 8.1582,
0.8004

■ 56.9808, 67.7606,
91.8934

■ 63.1380, 76.1706,
105.9824

Harmonies

Analogous

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



24.6901, 21.9737, 22.8150



23.9392, 21.9737, 18.3089



22.3756, 21.9737, 15.6429

Triad

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



23.9392, 21.9737, 18.3089



17.7471, 21.9737, 19.9930



21.2818, 21.9737, 35.7674

Complementary

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



23.9392, 21.9737, 18.3089



24.0065, 28.0805, 36.9559

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.



19.4628, 21.9737, 34.7123



23.9392, 21.9737, 18.3089



17.4930, 21.9737, 25.0717

Square

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



23.9392, 21.9737, 18.3089



18.8190, 21.9737, 16.5083



18.1029, 21.9737, 30.5875



23.0976, 21.9737, 33.2863

Rectangle

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



23.9392, 21.9737, 18.3089



21.1225, 21.9737, 15.0079



18.1029, 21.9737, 30.5875



20.6500, 21.9737, 35.8191

Sweetspot

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



23.9398, 21.9747, 18.3093



53.3377, 54.1463, 55.1947



25.6919, 21.1994, 32.0872



11.8439, 11.9531, 12.0504



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.



23.9398, 21.9747, 18.3093



40.2942, 35.6621, 27.4083



27.0955, 28.2862, 19.3613



6.7198, 6.8197, 6.9478



11.6263, 6.4881, 0.6396



0.2302, 0.1607, 0.0189

Inverse Universe

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



24.0065, 28.0805, 36.9559



40.4255, 48.2632, 65.9285



20.6162, 21.2998, 35.8257



6.7257, 7.3171, 8.4645



11.4785, 15.0484, 28.2069



0.2284, 0.3155, 0.5121

Previews

White Background



This preview shows how the XYZ color 23.9392, 21.9737, 18.3089 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9392, 21.9737, 18.3089 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 × Fail

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

XYZ 23.9392, 21.9737, 18.3089

Background



This preview shows how black text looks on a background with the XYZ color 23.9392, 21.9737, 18.3089.



This preview shows how white text looks on a background with the XYZ color 23.9392, 21.9737,

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

23.9392, 21.9737, 18.3089

Protanopia

21.0528, 22.1358, 19.9926

Deuteranopia

22.2896, 21.8589, 18.0833



Tritanopia

25.0071, 22.0662, 23.0199

Trichromacy



Original Color

23.9392, 21.9737, 18.3089

Protanomaly

22.0570, 22.0888, 19.3207

Deuteranomaly

22.9011, 21.9890, 18.0762

Tritanomaly

24.6069, 22.0724, 21.3758

Monochromacy



Original Color

23.9392, 21.9737, 18.3089

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.2120, 22.2967, 22.2018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9392, 21.9737, 18.3089 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(159, 120, 112)` looks like.

```
.text, #text, p{  
    color:rgb(159, 120, 112)  
}
```

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(159, 120, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 120, 112) }
```

Border

The CSS property to change the border of an element to XYZ 23.9392, 21.9737, 18.3089 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(159, 120, 112) }
```


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

```
.border{ border-color:rgb(159, 120, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 120, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 120, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 120, 112);  
box-shadow:4px 4px 4px 4px rgb(159, 120,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9392, 21.9737, 18.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 120, 112) }
```

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

```
.background{ background-color: rgb(159,  
120, 112) }
```

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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