

Converting Colors

XYZ(23.1773, 24.6031, 9.3795)

Have a look what the booklet for
XYZ(23.1773, 24.6031, 9.3795)
contains.

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Color

**XYZ(23.2870, 24.7387,
9.3420)**

Conversions

Conversions Part 1

Format	Color
Hex	9B8746
RGB	155, 135, 70
RGB Percent	61%, 53%, 27%
CMY	0.3922, 0.4706, 0.7255
CMYK	0.00, 0.13, 0.55, 0.39
HSL	46°, 38%, 44%
HSV	46°, 55%, 61%
XYZ	23.2870, 24.7387, 9.3420
YIQ	133.5700, 32.7850, -15.9750

Conversions

Conversions Part 2

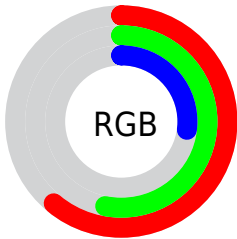
Format	Color
R_{YB}	96, 155, 70
Decimal	10192710
CIE _{Lab}	56.82, -1.01, 37.34
CIE _{LCh}	57, 37.354, 91.550
Yxy	24.7387, 0.4059, 0.4312
Android (android.graphics.Color)	4288382790 (0xFF9B8746)
YUV	133.5700, -31.3400, 18.7941
Hunter-Lab	49.7380, -3.4690, 23.6805

Details

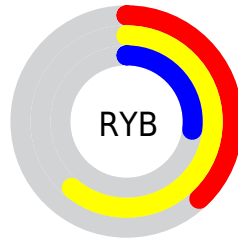
The XYZ color **23.2870, 24.7387, 9.3420** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.0982, 10.9805, 32.4920**, and the grayscale version is **22.6056, 23.7828, 25.8995**.

A 20% lighter version of the original color is **48.2374, 51.1714, 25.1040**, and **8.8394, 9.4802, 2.1230** is the 20% darker color. If you saturate the color by 10%, you get **22.3596, 23.5685, 6.9228**, and if you desaturate by 10%, it is **24.3593, 25.9966, 12.4331**.

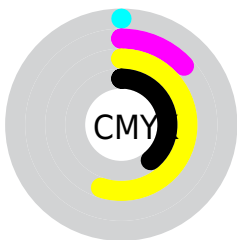
Distribution



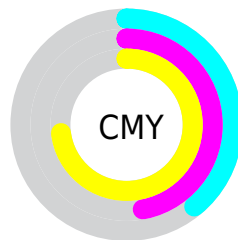
- Red (61%)
- Green (53%)
- Blue (27%)



- Red (38%)
- Yellow (61%)
- Blue (27%)



- Cyan (0%)
- Magenta (13%)
- Yellow (55%)
- Black (39%)



- Cyan (39%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2870, 24.7387, 9.3420 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 23.2870, 24.7387, 9.3420 by changing the saturation by 10% instead.

■ 23.2870, 24.7387,
9.3420

■ 23.2870, 24.7387,
9.3420

261.7036,
276.5341, 196.2201

■ 14.9274, 15.8825,
4.8651

■ 48.3273, 51.2330,
25.1385

■ 8.8545, 9.4410,
2.1110

■ 65.7388, 69.6399,
37.2951

■ 4.7027, 5.0300,
0.6223

■ 86.8983, 91.9991,
52.8487

■ 2.1069, 2.2648,
0.0000

■ 112.1712,
118.6951, 72.2178

■ 0.6929, 0.7550,
0.0000

■ 141.9228,
150.1121, 95.8209

■ 0.0000, 0.0000,
0.0000

176.5185,

186.6348, 124.0767

216.3236,
228.6473, 157.4036

■ 23.2870, 24.7387,
9.3420

■ 23.2870, 24.7387,
9.3420

■ 22.3596, 23.5685,
6.9228

■ 24.3593, 25.9966,
12.4331

■ 21.5653, 22.4782,
5.1217

■ 25.5837, 27.3426,
16.2415

■ 20.8931, 21.4641,
3.8790

■ 26.9692, 28.7814,
20.8103

■ 20.3283, 20.5200,
3.1191

■ 28.5234, 30.3164,
26.1786

■ 20.0593, 20.0522,
2.8132

■ 30.2532, 31.9506,
32.3830

■ 32.1655, 33.6869,
39.4579

■ 34.2664, 35.5282,
47.4354

■ 36.5619, 37.4770,
56.3464

■ 39.0578, 39.5360,
66.2201

Harmonies

Analogous

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



27.7436, 24.7387, 10.8450



23.2870, 24.7387, 9.3420



19.3887, 24.7387, 11.2035

Triad

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



23.2870, 24.7387, 9.3420



17.0605, 24.7387, 41.5763



31.6937, 24.7387, 40.0897

Complementary

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



23.2870, 24.7387, 9.3420



12.0982, 10.9805, 32.4920

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.



28.1852, 24.7387, 53.0582



23.2870, 24.7387, 9.3420



19.7366, 24.7387, 54.0869

Square

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



23.2870, 24.7387, 9.3420



16.0803, 24.7387, 27.5920



23.7412, 24.7387, 58.8261



32.9431, 24.7387, 26.2910

Rectangle

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



23.2870, 24.7387, 9.3420



17.5326, 24.7387, 14.5814



23.7412, 24.7387, 58.8261



30.7197, 24.7387, 44.8228

Sweetspot

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



23.2876, 24.7399, 9.3425



50.6528, 53.8774, 45.3732



17.6069, 12.1087, 11.3636



11.3417, 12.0746, 9.8398



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.2876, 24.7399, 9.3425



39.6742, 41.7176, 11.5093



22.6185, 28.9326, 10.1870



6.5857, 6.9765, 6.6053



16.1419, 16.1662, 2.2696



0.2682, 0.2953, 0.0429

Inverse Universe

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



12.0982, 10.9805, 32.4920



17.5493, 14.5554, 57.4208



12.4458, 8.9840, 32.0883



5.9966, 6.2506, 7.8194



5.2957, 2.9882, 25.2054



0.1036, 0.0935, 0.3850

Previews

White Background



This preview shows how the XYZ color 23.2870, 24.7387, 9.3420 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 23.2870, 24.7387, 9.3420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

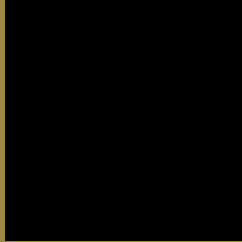
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2870, 24.7387, 9.3420

Background



This preview shows how black text looks on a background with the XYZ color 23.2870, 24.7387, 9.3420.



This preview shows how white text looks on a background with the XYZ color 23.2870, 24.7387,

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

23.2870, 24.7387, 9.3420

Protanopia

22.8455, 24.9256, 9.5683

Deuteranopia

25.0563, 24.6357, 9.3958



Tritanopia

26.8027, 24.5620, 26.9952

Trichromacy



Original Color

23.2870, 24.7387, 9.3420

Protanomaly

22.8904, 24.7387, 9.5298

Deuteranomaly

24.4929, 24.7440, 9.4464

Tritanomaly

25.2613, 24.5284, 19.0258

Monochromacy



Original Color

23.2870, 24.7387, 9.3420

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.5497, 23.9487, 18.4730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2870, 24.7387, 9.3420 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(155, 135, 70)` looks like.

```
.text, #text, p{  
    color:rgb(155, 135, 70)  
}
```

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(155, 135, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 135, 70) }
```

Border

The CSS property to change the border of an element to XYZ 23.2870, 24.7387, 9.3420 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(155, 135, 70) }
```


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

```
.border{ border-color:rgb(155, 135, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 135, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 135, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 135, 70);  
box-shadow:4px 4px 4px 4px rgb(155, 135,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2870, 24.7387, 9.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 135, 70) }
```

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

```
.background{ background-color: rgb(155,  
135, 70) }
```

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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