

Converting Colors

XYZ(23.3914, 23.7106, 19.5630)

Have a look what the booklet for
XYZ(23.3914, 23.7106, 19.5630)
contains.

XYZ(23.4236, 23.7663, 19.5725)	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(23.4236, 23.7663,
19.5725)**

Conversions

Conversions Part 1

Format	Color
Hex	948373
RGB	148, 131, 115
RGB Percent	58%, 51%, 45%
CMY	0.4196, 0.4863, 0.5490
CMYK	0.00, 0.11, 0.22, 0.42
HSL	29°, 13%, 52%
HSV	29°, 22%, 58%
XYZ	23.4236, 23.7663, 19.5725
YIQ	134.2590, 15.2680, -1.3720

Conversions

Conversions Part 2

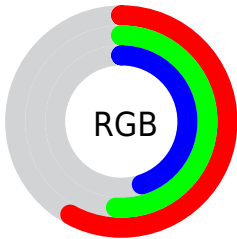
Format	Color
R_{YB}	148, 146, 115
Decimal	9732979
CIE Lab	55.85, 3.77, 11.01
CIE LCh	56, 11.638, 71.111
Yxy	23.7663, 0.3509, 0.3560
Android (android.graphics.Color)	4287923059 (0xFF948373)
YUV	134.2590, -9.4947, 12.0509
Hunter-Lab	48.7507, 0.4515, 10.3216

Details

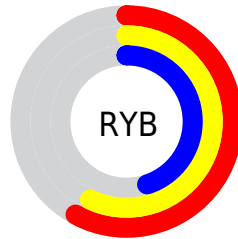
The XYZ color **23.4236, 23.7663, 19.5725** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.6668, 22.2851, 31.2294**, and the grayscale version is **22.7857, 23.9724, 26.1059**.

A 20% lighter version of the original color is **48.4727, 49.6276, 43.5835**, and **8.9602, 8.9812, 6.5715** is the 20% darker color. If you saturate the color by 10%, you get **21.6531, 21.4805, 15.1126**, and if you desaturate by 10%, it is **25.4075, 26.2597, 24.7787**.

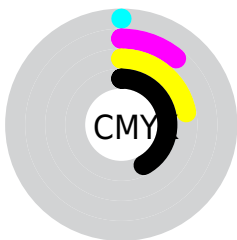
Distribution



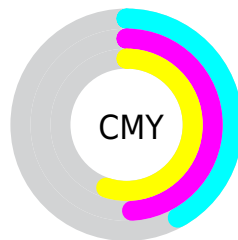
- Red (58%)
- Green (51%)
- Blue (45%)



- Red (58%)
- Yellow (57%)
- Blue (45%)



- Cyan (0%)
- Magenta (11%)
- Yellow (22%)
- Black (42%)



- Cyan (42%)
- Magenta (49%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4236, 23.7663, 19.5725 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 23.4236, 23.7663, 19.5725 by changing the saturation by 10% instead.

■ 23.4236, 23.7663,
19.5725

■ 23.4236, 23.7663,
19.5725

262.3882,
271.6368, 262.1186

■ 15.0290, 15.1604,
11.9037

■ 48.5495, 49.6486,
43.5488

■ 8.9262, 8.9320,
6.5564

■ 66.0115, 67.6937,
60.6933

■ 4.7498, 4.6969,
3.1120

■ 87.2268, 89.6540,
81.8336

■ 2.1345, 2.0705,
1.1521

112.5605,
115.9138, 107.3880

■ 0.7078, 0.6480,
0.0000

142.3782,
146.8576, 137.7752

■ 0.0000, 0.0000,
0.0000

177.0451,

182.8698, 173.4136

216.9267,
224.3347, 214.7219

■ 23.4236, 23.7663,
19.5725

■ 23.4236, 23.7663,
19.5725

■ 21.6531, 21.4805,
15.1126

■ 25.4075, 26.2597,
24.7787

■ 20.0860, 19.3932,
11.3627

■ 27.6104, 28.9629,
30.7624

■ 18.7142, 17.4993,
8.2857

■ 30.0404, 31.8824,
37.5544

■ 17.5282, 15.7923,
5.8403

■ 32.7042, 35.0232,
45.1839

■ 16.5177, 14.2652,
3.9808

■ 35.6084, 38.3904,
53.6783

■ 15.6710, 12.9103,
2.6551

■ 38.7594, 41.9885,
63.0638

■ 14.9746, 11.7191,
1.8017

■ 42.1631, 45.8223,
73.3656

■ 14.5154, 10.9010,
1.3391

■ 45.8254, 49.8962,
84.6077

■ 49.7518, 54.2145,
96.8134

Harmonies

Analogous

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



24.5626, 23.7663, 21.3724



23.4236, 23.7663, 19.5725



22.1020, 23.7663, 19.3607

Triad

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



23.4236, 23.7663, 19.5725



20.1814, 23.7663, 27.3085



24.3052, 23.7663, 31.7702

Complementary

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



23.4236, 23.7663, 19.5725



20.6668, 22.2851, 31.2294

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.



23.0834, 23.7663, 33.7135



23.4236, 23.7663, 19.5725



20.7244, 23.7663, 30.9749

Square

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



23.4236, 23.7663, 19.5725



20.2645, 23.7663, 23.5876



21.7748, 23.7663, 33.4090



25.0851, 23.7663, 28.3109

Rectangle

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



23.4236, 23.7663, 19.5725



21.2988, 23.7663, 20.1223



21.7748, 23.7663, 33.4090



23.9306, 23.7663, 32.6370

Sweetspot

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



23.4242, 23.7674, 19.5730



46.7851, 48.7461, 48.9902



22.5121, 20.2250, 24.5654



10.6347, 11.0721, 11.0604



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.4242, 23.7674, 19.5730



39.6465, 39.7761, 30.2494



25.8114, 28.5417, 20.3687



6.0190, 6.2518, 6.1299



12.4255, 9.3653, 1.1528



0.1814, 0.1732, 0.0239

Inverse Universe

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



20.6668, 22.2851, 31.2294



33.8559, 36.6631, 54.7269



18.6095, 18.1706, 30.5437



5.7317, 6.0974, 7.3446



6.8142, 6.3233, 24.7924



0.1129, 0.1364, 0.3133

Previews

White Background



This preview shows how the XYZ color 23.4236, 23.7663, 19.5725 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 23.4236, 23.7663, 19.5725 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

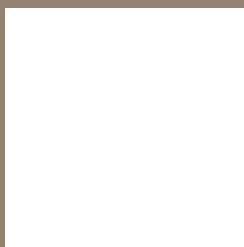
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4236, 23.7663, 19.5725

Background



This preview shows how black text looks on a background with the XYZ color 23.4236, 23.7663, 19.5725.



This preview shows how white text looks on a background with the XYZ color 23.4236, 23.7663,

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

23.4236, 23.7663, 19.5725

Protanopia

22.4927, 23.8866, 19.9481

Deuteranopia

24.0816, 23.7106, 19.5270



Tritanopia

25.0691, 23.8526, 27.3275

Trichromacy



Original Color

23.4236, 23.7663, 19.5725

Protanomaly

22.8676, 23.8757, 19.9262

Deuteranomaly

23.8396, 23.7824, 19.5536

Tritanomaly

24.4572, 23.7962, 24.4232

Monochromacy



Original Color

23.4236, 23.7663, 19.5725

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8658, 23.7963, 23.4667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4236, 23.7663, 19.5725 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(148, 131, 115)` looks like.

```
.text, #text, p{  
    color:rgb(148, 131, 115)  
}
```

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(148, 131, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 131, 115) }
```

Border

The CSS property to change the border of an element to XYZ 23.4236, 23.7663, 19.5725 is called "border". The border property can be set on classes, ids or directly on the HTML element.

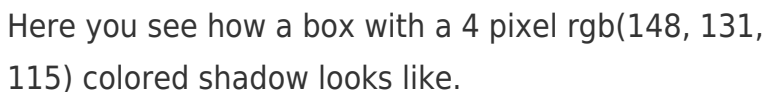
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(148, 131, 115) }
```


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

```
.border{ border-color:rgb(148, 131, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(148, 131, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 131, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 131, 115);  
box-shadow:4px 4px 4px 4px rgb(148, 131,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4236, 23.7663, 19.5725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 131, 115) }
```

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

```
.background{ background-color: rgb(148,  
131, 115) }
```

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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