

Converting Colors

XYZ(23.0681, 28.1234, 15.0115)

Have a look what the booklet for
XYZ(23.0681, 28.1234, 15.0115)
contains.

XYZ(23.1238, 28.1103, 15.0336)	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(23.1238, 28.1103,
15.0336)**

Conversions

Conversions Part 1

Format	Color
Hex	87975F
RGB	135, 151, 95
RGB Percent	53%, 59%, 37%
CMY	0.4706, 0.4078, 0.6274
CMYK	0.11, 0.00, 0.37, 0.41
HSL	77°, 23%, 48%
HSV	77°, 37%, 59%
XYZ	23.1238, 28.1103, 15.0336
YIQ	139.8320, 8.4400, -20.8080

Conversions

Conversions Part 2

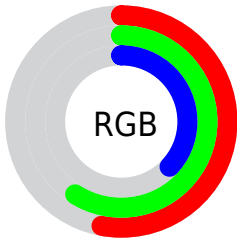
Format	Color
R_{YB}	95, 151, 111
Decimal	8886111
CIE _{Lab}	59.99, -15.40, 27.64
CIE _{LCh}	60, 31.644, 119.122
Yxy	28.1103, 0.3489, 0.4242
Android (android.graphics.Color)	4287076191 (0xFF87975F)
YUV	139.8320, -22.1022, -4.2377
Hunter-Lab	53.0191, -14.9324, 20.3017

Details

The XYZ color **23.1238, 28.1103, 15.0336** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.2348, 13.7991, 31.0875**, and the grayscale version is **24.9434, 26.2424, 28.5779**.

A 20% lighter version of the original color is **48.0059, 56.5568, 35.5805**, and **8.7264, 11.2044, 4.3921** is the 20% darker color. If you saturate the color by 10%, you get **21.8228, 27.5123, 11.7306**, and if you desaturate by 10%, it is **24.5874, 28.7786, 19.0400**.

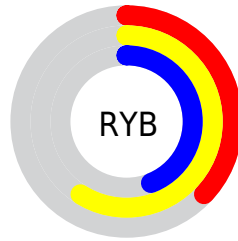
Distribution



Red (53%)

Green (59%)

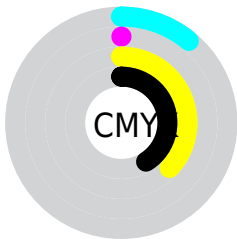
Blue (37%)



Red (37%)

Yellow (59%)

Blue (44%)

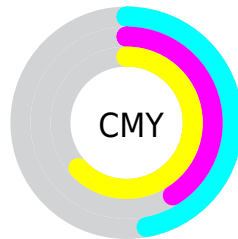


Cyan (11%)

Magenta (0%)

Yellow (37%)

Black (41%)



Cyan (47%)

Magenta (41%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1238, 28.1103, 15.0336 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 23.1238, 28.1103, 15.0336 by changing the saturation by 10% instead.

■ 23.1238, 28.1103,
15.0336

■ 23.1238, 28.1103,
15.0336

260.8837,
292.9936, 235.2173

■ 14.8061, 18.4088,
8.6961

■ 48.0617, 56.6605,
35.6553

■ 8.7689, 11.2439,
4.4494

■ 65.4126, 76.2780,
50.7765

■ 4.6466, 6.2311,
1.8750

■ 86.5054, 99.9696,
69.6627

■ 2.0741, 2.9861,
0.4767

■ 111.7053,
128.1198, 92.7324

■ 0.6751, 1.1245,
0.0000

141.3777,
161.1129, 120.4042

■ 0.0000, 0.0000,
0.0000

175.8880,

199.3333, 153.0965

215.6016,
243.1654, 191.2281

■ 23.1238, 28.1103,
15.0336

■ 23.1238, 28.1103,
15.0336

■ 21.8228, 27.5123,
11.7306

■ 24.5874, 28.7786,
19.0400

■ 20.6743, 26.9775,
9.0884

■ 26.2190, 29.5163,
23.7853

■ 19.6702, 26.5036,
7.0629

■ 28.0261, 30.3276,
29.3049

■ 18.8005, 26.0867,
5.6035

■ 30.0153, 31.2151,
35.6314

■ 18.0537, 25.7220,
4.6520

■ 32.1927, 32.1813,
42.7954

■ 17.4113, 25.4021,
4.1118

■ 34.5642, 33.2286,
50.8260

■ 17.2334, 25.3132,
3.9776

■ 37.1352, 34.3591,
59.7510

■ 39.9111, 35.5750,
69.5967

■ 42.8969, 36.8786,
80.3885

Harmonies

Analogous

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



26.8369, 28.1103, 13.3565



23.1238, 28.1103, 15.0336



20.6077, 28.1103, 20.5780

Triad

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



23.1238, 28.1103, 15.0336



22.9375, 28.1103, 53.8597



35.2329, 28.1103, 30.9486

Complementary

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



23.1238, 28.1103, 15.0336



16.2348, 13.7991, 31.0875

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.



33.9305, 28.1103, 43.4584



23.1238, 28.1103, 15.0336



26.5994, 28.1103, 58.5686

Square

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



23.1238, 28.1103, 15.0336



20.5080, 28.1103, 42.7187



30.6666, 28.1103, 54.3568



34.0699, 28.1103, 21.0333

Rectangle

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



23.1238, 28.1103, 15.0336



19.8121, 28.1103, 26.6097



30.6666, 28.1103, 54.3568



35.0669, 28.1103, 34.9865

Sweetspot

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



23.1245, 28.1115, 15.0342



48.8121, 53.6934, 48.2208



20.4990, 18.7462, 13.3649



11.0036, 12.1631, 10.6824



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.1245, 28.1115, 15.0342



39.3417, 49.3896, 21.6449



19.2126, 26.0949, 14.8511



6.5368, 7.1342, 6.6384



14.6891, 21.5484, 3.3851



0.2547, 0.3403, 0.0523

Inverse Universe

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



16.2348, 13.7991, 31.0875



25.0767, 19.7313, 54.9205



20.3043, 15.8970, 31.2780



6.0421, 6.1076, 7.7894



5.6303, 2.3535, 25.0652



0.1167, 0.0519, 0.3762

Previews

White Background



This preview shows how the XYZ color 23.1238, 28.1103, 15.0336 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 23.1238, 28.1103, 15.0336 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 23.1238, 28.1103, 15.0336

Background



This preview shows how black text looks on a background with the XYZ color 23.1238, 28.1103, 15.0336.



This preview shows how white text looks on a background with the XYZ color 23.1238, 28.1103,

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

23.1238, 28.1103, 15.0336

Protanopia

25.8097, 27.8873, 14.1477

Deuteranopia

28.5267, 27.9430, 15.4453



Tritanopia

27.2173, 28.1527, 35.0099

Trichromacy



Original Color

23.1238, 28.1103, 15.0336

Protanomaly

24.8039, 28.0473, 14.4623

Deuteranomaly

26.2782, 27.8789, 15.3054

Tritanomaly

25.4826, 28.1363, 26.2781

Monochromacy



Original Color

23.1238, 28.1103, 15.0336

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.0926, 26.8050, 22.9729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1238, 28.1103, 15.0336 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(135, 151, 95)` looks like.

```
.text, #text, p{  
    color:rgb(135, 151, 95)  
}
```

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(135, 151, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 151, 95) }
```

Border

The CSS property to change the border of an element to XYZ 23.1238, 28.1103, 15.0336 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(135, 151, 95) }
```


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

```
.border{ border-color:rgb(135, 151, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 151, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 151, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 151, 95);  
box-shadow:4px 4px 4px 4px rgb(135, 151,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1238, 28.1103, 15.0336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 151, 95) }
```

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

```
.background{ background-color: rgb(135,  
151, 95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor