

Converting Colors

XYZ(23.3871, 28.0678, 15.2730)

Have a look what the booklet for
XYZ(23.3871, 28.0678, 15.2730)
contains.

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Color

**XYZ(23.3342, 27.9756,
15.2363)**

Conversions

Conversions Part 1

Format	Color
Hex	899660
RGB	137, 150, 96
RGB Percent	54%, 59%, 38%
CMY	0.4627, 0.4117, 0.6235
CMYK	0.09, 0.00, 0.36, 0.41
HSL	74°, 22%, 48%
HSV	74°, 36%, 59%
XYZ	23.3342, 27.9756, 15.2363
YIQ	139.9570, 9.5860, -19.5500

Conversions

Conversions Part 2

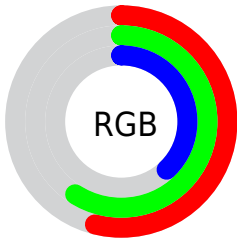
Format	Color
R_{YB}	96, 150, 109
Decimal	9016928
CIE _{Lab}	59.87, -13.93, 26.97
CIE _{LCh}	60, 30.357, 117.318
Yxy	27.9756, 0.3506, 0.4204
Android (android.graphics.Color)	4287207008 (0xFF899660)
YUV	139.9570, -21.6708, -2.5933
Hunter-Lab	52.8920, -13.8126, 19.9450

Details

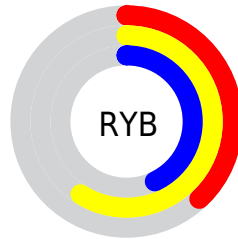
The XYZ color **23.3342, 27.9756, 15.2363** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.9957, 13.8197, 30.6802**, and the grayscale version is **24.9901, 26.2915, 28.6314**.

A 20% lighter version of the original color is **48.3452, 56.3687, 35.9359**, and **8.8540, 11.1239, 4.5862** is the 20% darker color. If you saturate the color by 10%, you get **22.1265, 27.4262, 11.9124**, and if you desaturate by 10%, it is **24.6950, 28.5904, 19.2564**.

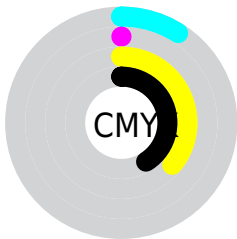
Distribution



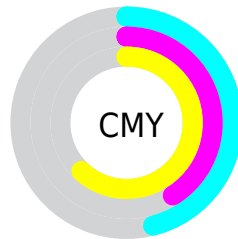
- Red (54%)
- Green (59%)
- Blue (38%)



- Red (38%)
- Yellow (59%)
- Blue (43%)



- Cyan (9%)
- Magenta (0%)
- Yellow (36%)
- Black (41%)



- Cyan (46%)
- Magenta (41%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3342, 27.9756, 15.2363 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 23.3342, 27.9756, 15.2363 by changing the saturation by 10% instead.

■ 23.3342, 27.9756,
15.2363

■ 23.3342, 27.9756,
15.2363

261.9403,
292.3503, 236.4819

■ 14.9625, 18.3073,
8.8369

■ 48.4041, 56.4455,
36.0153

■ 8.8792, 11.1708,
4.5396

■ 65.8331, 76.0158,
51.2321

■ 4.7190, 6.1818,
1.9258

■ 87.0119, 99.6556,
70.2251

■ 2.1164, 2.9560,
0.5091

■ 112.3058,
127.7493, 93.4128

■ 0.6981, 1.1088,
0.0000

142.0803,
160.6812, 121.2138

■ 0.0000, 0.0000,
0.0000

176.7006,

198.8357, 154.0466

216.5322,
242.5973, 192.3298

■ 23.3342, 27.9756,
15.2363

■ 23.3342, 27.9756,
15.2363

■ 22.1265, 27.4262,
11.9124

■ 24.6950, 28.5904,
19.2564

■ 21.0619, 26.9354,
9.2433

■ 26.2138, 29.2698,
24.0075

■ 20.1329, 26.5010,
7.1861


■ 27.8980, 30.0177,
29.5240


■ 19.3298, 26.1193,
5.6918


■ 29.7539, 30.8366,
35.8377


■ 18.6418, 25.7857,
4.7041


■ 31.7871, 31.7289,
42.9787


 18.0532, 25.4942,
4.1416

 34.0035, 32.6967,
50.9754

 17.8312, 25.3835,
3.9597

 36.4082, 33.7424,
59.8549

 39.0064, 34.8678,
69.6432

 41.8030, 36.0751,
80.3649

Harmonies

Analogous

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



26.9379, 27.9756, 13.8076



23.3342, 27.9756, 15.2363



20.8315, 27.9756, 20.3842

Triad

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



23.3342, 27.9756, 15.2363



22.7885, 27.9756, 52.0249



34.6942, 27.9756, 31.4637

Complementary

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



23.3342, 27.9756, 15.2363



15.9957, 13.8197, 30.6802

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.



33.3225, 27.9756, 43.4073



23.3342, 27.9756, 15.2363



26.2450, 27.9756, 56.9360

Square

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



23.3342, 27.9756, 15.2363



20.5384, 27.9756, 41.2672



30.1353, 27.9756, 53.4556



33.7268, 27.9756, 21.7275

Rectangle

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



23.3342, 27.9756, 15.2363



20.0000, 27.9756, 26.0380



30.1353, 27.9756, 53.4556



34.4886, 27.9756, 35.3577

Sweetspot

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



23.3349, 27.9768, 15.2369



47.6438, 52.2680, 46.8505



20.1161, 18.1815, 13.5159



10.4800, 11.5484, 10.1266



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.



23.3349, 27.9768, 15.2369



39.4834, 48.5986, 22.1847



19.4989, 25.9993, 15.0574



6.1304, 6.6750, 6.2058



14.8176, 21.0666, 3.2853



0.2076, 0.2714, 0.0414

Inverse Universe

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



15.9957, 13.8197, 30.6802



24.6293, 19.9268, 53.4694



19.7774, 15.7692, 30.8572



5.6225, 5.6964, 7.2729



5.1980, 2.1522, 24.0725



0.0866, 0.0382, 0.2957

Previews

White Background



This preview shows how the XYZ color 23.3342, 27.9756, 15.2363 looks on a white background.

Color Contrast Check

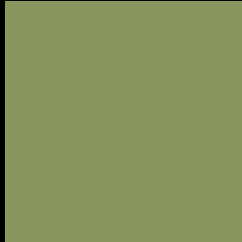
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3342, 27.9756, 15.2363 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 23.3342, 27.9756, 15.2363

Background



This preview shows how black text looks on a background with the XYZ color 23.3342, 27.9756, 15.2363.



This preview shows how white text looks on a background with the XYZ color 23.3342, 27.9756,

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

23.3342, 27.9756, 15.2363

Protanopia

25.8983, 27.9228, 14.6143

Deuteranopia

28.3539, 27.8485, 15.6853



Tritanopia

27.3322, 27.9978, 34.5354

Trichromacy



Original Color

23.3342, 27.9756, 15.2363

Protanomaly

24.9221, 27.8680, 14.8920

Deuteranomaly

26.1757, 27.5988, 15.5028

Tritanomaly

25.6679, 28.0020, 26.2424

Monochromacy



Original Color

23.3342, 27.9756, 15.2363

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.2588, 26.8907, 22.9806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3342, 27.9756, 15.2363 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(137, 150, 96)` looks like.

```
.text, #text, p{  
    color:rgb(137, 150, 96)  
}
```

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(137, 150, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 150, 96) }
```

Border

The CSS property to change the border of an element to XYZ 23.3342, 27.9756, 15.2363 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(137, 150, 96) }
```


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

```
.border{ border-color:rgb(137, 150, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 150, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 150, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 150, 96);  
box-shadow:4px 4px 4px 4px rgb(137, 150,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3342, 27.9756, 15.2363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 150, 96) }
```

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

```
.background{ background-color: rgb(137,  
150, 96) }
```

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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