

Converting Colors

XYZ(23.7656, 24.8342, 28.3556)

Have a look what the booklet for
XYZ(23.7656, 24.8342, 28.3556)
contains.

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Color

**XYZ(23.6911, 24.7360,
28.3368)**

Conversions

Conversions Part 1

Format	Color
Hex	88888C
RGB	136, 136, 140
RGB Percent	53%, 53%, 55%
CMY	0.4667, 0.4667, 0.4510
CMYK	0.03, 0.03, 0.00, 0.45
HSL	240°, 2%, 54%
HSV	240°, 3%, 55%
XYZ	23.6911, 24.7360, 28.3368
YIQ	136.4560, -1.2840, 1.2440

Conversions

Conversions Part 2

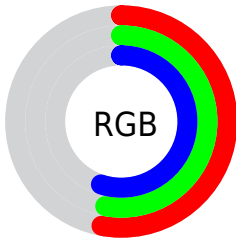
Format	Color
R_{YB}	136, 136, 140
Decimal	8947852
CIE Lab	56.82, 0.80, -2.14
CIE LCh	57, 2.288, 290.467
Yxy	24.7360, 0.3086, 0.3222
Android (android.graphics.Color)	4287137932 (0xFF88888C)
YUV	136.4560, 1.7472, -0.3999
Hunter-Lab	49.7353, -2.0094, 1.0341

Details

The XYZ color **23.6911, 24.7360, 28.3368** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.6372, 26.1088, 27.0339**, and the grayscale version is **23.5674, 24.7947, 27.0014**.

A 20% lighter version of the original color is **48.9215, 51.1091, 58.3255**, and **9.0110, 9.3722, 11.0069** is the 20% darker color. If you saturate the color by 10%, you get **19.7209, 19.9531, 27.6232**, and if you desaturate by 10%, it is **28.2170, 30.1886, 29.1511**.

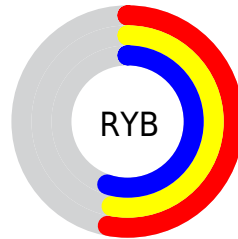
Distribution



Red (53%)

Green (53%)

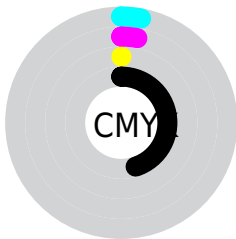
Blue (55%)



Red (53%)

Yellow (53%)

Blue (55%)

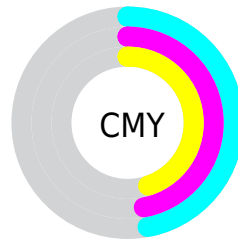


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (45%)



Cyan (47%)

Magenta (47%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6911, 24.7360, 28.3368 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 23.6911, 24.7360, 28.3368 by changing the saturation by 10% instead.

■ 23.6911, 24.7360,
28.3368

■ 23.6911, 24.7360,
28.3368

263.7246,
276.5206, 308.0352

■ 15.2281, 15.8805,
18.3384

■ 48.9840, 51.2286,
58.0513

■ 9.0670, 9.4396,
11.0213

■ 66.5446, 69.6345,
78.6045

■ 4.8424, 5.0290,
5.9668

■ 87.8686, 91.9926,
103.5130

■ 2.1889, 2.2643,
2.7564

113.3211,
118.6874, 133.1955

■ 0.7369, 0.7547,
0.9717

143.2676,
150.1032, 168.0704

■ 0.0000, 0.0000,
0.0000

178.0735,

186.6244, 208.5563

218.1040,
228.6354, 255.0717

■ 23.6911, 24.7360,
28.3368

■ 23.6911, 24.7360,
28.3368

■ 19.7209, 19.9531,
27.6232

■ 28.2170, 30.1886,
29.1511

■ 16.2829, 15.8112,
27.0050

■ 33.3167, 36.3320,
30.0681

■ 13.3552, 12.2838,
26.4784

■ 39.0099, 43.1903,
31.0918

■ 10.9135, 9.3419,
26.0393

■ 45.3150, 50.7856,
32.2256

■ 8.9314, 6.9536,
25.6828

■ 52.2493, 59.1388,
33.4724

■ 7.3804, 5.0845,
25.4037

■ 59.8297, 68.2701,
34.8354

■ 6.2282, 3.6959,
25.1964

■ 68.0723, 78.1991,
36.3174

■ 5.4385, 2.7439,
25.0543

■ 76.9927, 88.9444,
37.9213

■ 4.9683, 2.1769,
24.9696

■ 81.7337, 94.6735,
38.7773

Harmonies

Analogous

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



23.4258, 24.7360, 28.4120



23.6911, 24.7360, 28.3368



23.9097, 24.7360, 27.8817

Triad

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



23.6911, 24.7360, 28.3368



23.8397, 24.7360, 25.8133



23.0073, 24.7360, 26.6901

Complementary

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



23.6911, 24.7360, 28.3368



24.6372, 26.1088, 27.0339

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.



23.1164, 24.7360, 26.0067



23.6911, 24.7360, 28.3368



23.5961, 24.7360, 25.5068

Square

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



23.6911, 24.7360, 28.3368



23.9959, 24.7360, 26.4216



23.3315, 24.7360, 25.5769



23.0323, 24.7360, 27.4516

Rectangle

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



23.6911, 24.7360, 28.3368



23.9988, 24.7360, 27.4287



23.3315, 24.7360, 25.5769



23.0295, 24.7360, 26.4439

Sweetspot

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



23.6918, 24.7371, 28.3373



43.1598, 45.2873, 50.2095



24.2605, 25.8823, 28.5026



9.9568, 10.4495, 11.5716



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



23.6918, 24.7371, 28.3373



41.6153, 43.4265, 49.9318



24.0083, 24.8997, 28.3521



5.2767, 5.4973, 6.3888



4.2069, 1.6842, 22.1490



0.0280, 0.0112, 0.1471

Inverse Universe

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



24.0638, 24.9618, 26.8436



42.3175, 43.8507, 47.1121



24.3146, 25.9431, 27.0189



5.3837, 5.5619, 5.9592



9.6103, 4.9542, 0.4521



0.0639, 0.0329, 0.0031

Previews

White Background



This preview shows how the XYZ color 23.6911, 24.7360, 28.3368 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 23.6911, 24.7360, 28.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

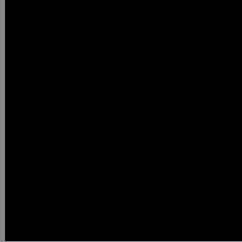
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

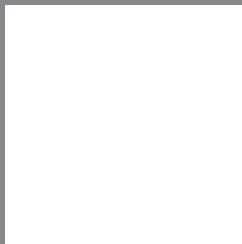
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6911, 24.7360, 28.3368

Background



This preview shows how black text looks on a background with the XYZ color 23.6911, 24.7360, 28.3368.



This preview shows how white text looks on a background with the XYZ color 23.6911, 24.7360,

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

23.6911, 24.7360, 28.3368

Protanopia

24.0190, 24.9050, 28.3522

Deuteranopia

25.0916, 24.6287, 28.6306



Tritanopia

24.1688, 24.7216, 30.6920

Trichromacy



Original Color

23.6911, 24.7360, 28.3368

Protanomaly

23.8543, 24.8201, 28.3445

Deuteranomaly

24.5229, 24.5378, 28.6431

Tritanomaly

24.0145, 24.6599, 29.8797

Monochromacy



Original Color

23.6911, 24.7360, 28.3368

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.4729, 24.6487, 27.1874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6911, 24.7360, 28.3368 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(136, 136, 140)` looks like.

```
.text, #text, p{  
    color:rgb(136, 136, 140)  
}
```

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(136, 136, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 136, 140) }
```

Border

The CSS property to change the border of an element to XYZ 23.6911, 24.7360, 28.3368 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(136, 136, 140) }
```


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

```
.border{ border-color:rgb(136, 136, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 136, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 136, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 136, 140);  
box-shadow:4px 4px 4px 4px rgb(136, 136,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6911, 24.7360, 28.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 136, 140) }
```

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

```
.background{ background-color: rgb(136,  
136, 140) }
```

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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