

Converting Colors

XYZ(23.7776, 24.4224, 30.1266)

Have a look what the booklet for
XYZ(23.7776, 24.4224, 30.1266)
contains.

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Color

**XYZ(23.7893, 24.3288,
30.2302)**

Conversions

Conversions Part 1

Format	Color
Hex	888691
RGB	136, 134, 145
RGB Percent	53%, 53%, 57%
CMY	0.4667, 0.4745, 0.4314
CMYK	0.06, 0.08, 0.00, 0.43
HSL	251°, 5%, 55%
HSV	251°, 8%, 57%
XYZ	23.7893, 24.3288, 30.2302
YIQ	135.8520, -2.3390, 3.8450

Conversions

Conversions Part 2

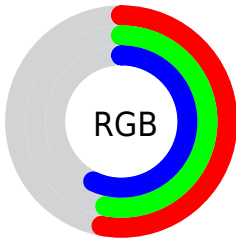
Format	Color
R_{YB}	136, 134, 145
Decimal	8947345
CIE Lab	56.42, 2.97, -5.62
CIE LCh	56, 6.354, 297.826
Yxy	24.3288, 0.3036, 0.3105
Android (android.graphics.Color)	4287137425 (0xFF888691)
YUV	135.8520, 4.5100, 0.1298
Hunter-Lab	49.3242, -0.2261, -1.8111

Details

The XYZ color **23.7893, 24.3288, 30.2302** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.7571, 27.8124, 26.5663**, and the grayscale version is **23.3313, 24.5463, 26.7310**.

A 20% lighter version of the original color is **49.0654, 50.4830, 61.1910**, and **9.0736, 9.1453, 12.1135** is the 20% darker color. If you saturate the color by 10%, you get **20.0995, 19.6533, 29.5226**, and if you desaturate by 10%, it is **27.9687, 29.6660, 31.0405**.

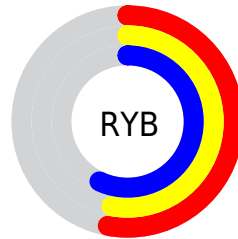
Distribution



Red (53%)

Green (53%)

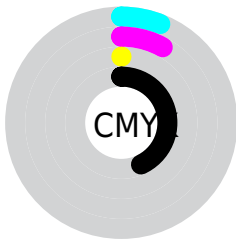
Blue (57%)



Red (53%)

Yellow (53%)

Blue (57%)

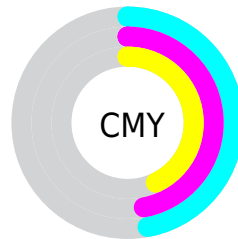


Cyan (6%)

Magenta (8%)

Yellow (0%)

Black (43%)



Cyan (47%)

Magenta (47%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7893, 24.3288, 30.2302 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 23.7893, 24.3288, 30.2302 by changing the saturation by 10% instead.

■ 23.7893, 24.3288,
30.2302

■ 23.7893, 24.3288,
30.2302

264.2138,
274.4786, 317.2166

■ 15.3013, 15.5777,
19.7598

■ 49.1433, 50.5662,
61.0913

■ 9.1188, 9.2258,
12.0383

■ 66.7401, 68.8213,
82.3192

■ 4.8765, 4.8888,
6.6469

■ 88.1037, 91.0133,
107.9700

■ 2.2090, 2.1821,
3.1672

113.5997,
117.5264, 138.4622

■ 0.7475, 0.7102,
1.1806

143.5934,
148.7451, 174.2145

■ 0.0000, 0.0000,
0.0000

178.4500,

185.0537, 215.6453

218.5350,
226.8368, 263.1731

■ 23.7893, 24.3288,
30.2302

■ 23.7893, 24.3288,
30.2302

■ 20.0995, 19.6533,
29.5226

■ 27.9687, 29.6660,
31.0405

■ 16.8792, 15.6106,
28.9120

■ 32.6527, 35.6861,
31.9556

■ 14.1099, 12.1742,
28.3947

■ 37.8582, 42.4134,
32.9797

■ 11.7711, 9.3147,
27.9660

■ 43.6007, 49.8698,
34.1163

■ 9.8407, 6.9999,
27.6209

■ 49.8952, 58.0763,
35.3686

8.2946, 5.1948,
27.3540

56.7558, 67.0532,
36.7397

7.1060, 3.8599,
27.1590

64.1963, 76.8200,
38.2327

6.2446, 2.9500,
27.0287

72.2301, 87.3954,
39.8505

5.6615, 2.3846,
26.9504

77.7626, 92.5827,
40.5602

Harmonies

Analogous

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



23.0703, 24.3288, 30.7406



23.7893, 24.3288, 30.2302



24.3399, 24.3288, 28.7025

Triad

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



23.7893, 24.3288, 30.2302



23.8840, 24.3288, 23.2118



21.7411, 24.3288, 26.3368

Complementary

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



23.7893, 24.3288, 30.2302



25.7571, 27.8124, 26.5663

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.



21.9489, 24.3288, 24.3941



23.7893, 24.3288, 30.2302



23.1774, 24.3288, 22.6504

Square

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



23.7893, 24.3288, 30.2302



24.3954, 24.3288, 24.6465



22.4708, 24.3288, 23.0716



21.8972, 24.3288, 28.4231

Rectangle

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



23.7893, 24.3288, 30.2302



24.5319, 24.3288, 27.3520



22.4708, 24.3288, 23.0716



21.7706, 24.3288, 25.6461

Sweetspot

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



23.7900, 24.3298, 30.2307



46.6417, 48.7186, 54.9189



24.7907, 26.8084, 30.6564



10.3981, 10.8662, 12.2216



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



23.7900, 24.3298, 30.2307



41.4863, 42.1496, 53.9227



24.6781, 24.7876, 30.2723



5.2153, 5.2992, 6.7767



4.7737, 1.9545, 23.1027



0.0593, 0.0257, 0.2215

Inverse Universe

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



25.1610, 25.0542, 29.4977



44.4327, 43.7067, 52.3344



24.8555, 27.3475, 26.5241



5.5848, 5.4945, 6.5776



12.8630, 6.3022, 15.4619



0.1301, 0.0631, 0.1851

Previews

White Background



This preview shows how the XYZ color 23.7893, 24.3288, 30.2302 looks on a white background.

Color Contrast Check

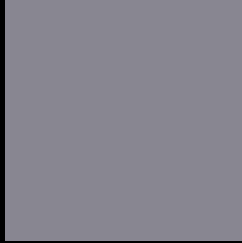
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7893, 24.3288, 30.2302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

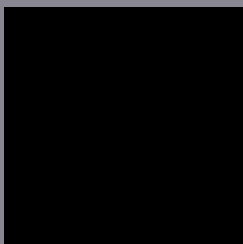
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

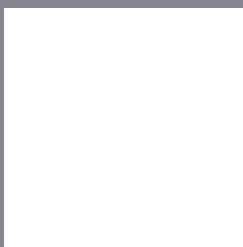
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7893, 24.3288, 30.2302

Background



This preview shows how black text looks on a background with the XYZ color 23.7893, 24.3288, 30.2302.



This preview shows how white text looks on a background with the XYZ color 23.7893, 24.3288,

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

23.7893, 24.3288, 30.2302

Protanopia

23.6276, 24.2454, 30.2226

Deuteranopia

24.8062, 24.2372, 30.5650



Tritanopia

23.7893, 24.3288, 30.2302

Trichromacy



Original Color

23.7893, 24.3288, 30.2302

Protanomaly

23.6276, 24.2454, 30.2226

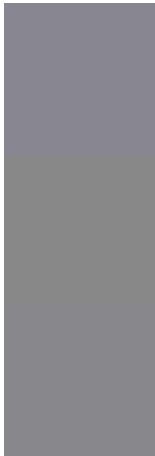
Deuteranomaly

24.4241, 24.2406, 30.5857

Tritanomaly

23.7893, 24.3288, 30.2302

Monochromacy



Original Color

23.7893, 24.3288, 30.2302

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.4775, 24.4263, 27.9034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7893, 24.3288, 30.2302 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, 134, 145)` looks like.

```
.text, #text, p{  
    color:rgb(136, 134, 145)  
}
```

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, 134, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 134, 145) }
```

Border

The CSS property to change the border of an element to XYZ 23.7893, 24.3288, 30.2302 is called "border". The border property can be set on classes, ids or directly on the HTML element.

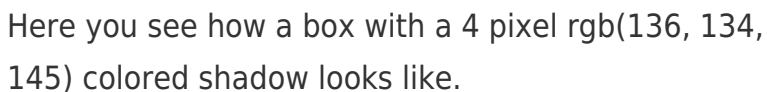
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 134, 145) }
```


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

```
.border{ border-color:rgb(136, 134, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(136, 134, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 134, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 134, 145); box-shadow:4px 4px 4px 4px rgb(136, 134, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7893, 24.3288, 30.2302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 134, 145) }
```

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

```
.background{ background-color: rgb(136,  
134, 145) }
```

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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