

Converting Colors

XYZ(23.2155, 24.0348, 29.7022)

Have a look what the booklet for
XYZ(23.2155, 24.0348, 29.7022)
contains.

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Color

**XYZ(23.2320, 24.0504,
29.8033)**

Conversions

Conversions Part 1

Format	Color
Hex	858690
RGB	133, 134, 144
RGB Percent	52%, 53%, 56%
CMY	0.4784, 0.4745, 0.4353
CMYK	0.08, 0.07, 0.00, 0.44
HSL	235°, 5%, 54%
HSV	235°, 8%, 56%
XYZ	23.2320, 24.0504, 29.8033
YIQ	134.8410, -3.8060, 2.8980

Conversions

Conversions Part 2

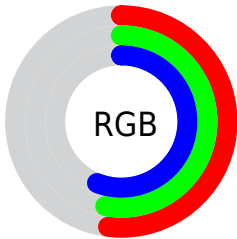
Format	Color
R_{YB}	133, 134, 144
Decimal	8750736
CIE Lab	56.14, 1.68, -5.48
CIE LCh	56, 5.733, 287.055
Yxy	24.0504, 0.3014, 0.3120
Android (android.graphics.Color)	4286940816 (0xFF858690)
YUV	134.8410, 4.5154, -1.6146
Hunter-Lab	49.0412, -1.2624, -1.7028

Details

The XYZ color **23.2320, 24.0504, 29.8033** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.5577, 27.2673, 26.1067**, and the grayscale version is **22.9556, 24.1511, 26.3005**.

A 20% lighter version of the original color is **48.2131, 50.0570, 60.5469**, and **8.7580, 8.9878, 11.8629** is the 20% darker color. If you saturate the color by 10%, you get **19.4143, 19.5617, 29.1385**, and if you desaturate by 10%, it is **27.5867, 29.1496, 30.5584**.

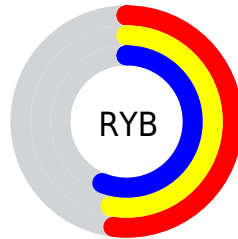
Distribution



Red (52%)

Green (53%)

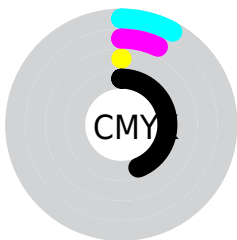
Blue (56%)



Red (52%)

Yellow (53%)

Blue (56%)

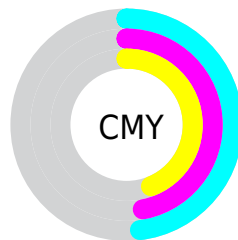


Cyan (8%)

Magenta (7%)

Yellow (0%)

Black (44%)



Cyan (48%)

Magenta (47%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2320, 24.0504, 29.8033 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 23.2320, 24.0504, 29.8033 by changing the saturation by 10% instead.

■ 23.2320, 24.0504,
29.8033

■ 23.2320, 24.0504,
29.8033

261.4275,
273.0752, 315.1652

■ 14.8865, 15.3710,
19.4386

■ 48.2378, 50.1124,
60.4083

■ 8.8256, 9.0802,
11.8076

■ 65.6290, 68.2639,
81.4856

■ 4.6838, 4.7935,
6.4918

■ 86.7660, 90.3414,
106.9709

■ 2.0958, 2.1266,
3.0728

112.0143,
116.7295, 137.2826

■ 0.6869, 0.6795,
1.1319

141.7393,
147.8126, 172.8394

■ 0.0000, 0.0000,
0.0000

176.3062,

183.9749, 214.0597

216.0805,
225.6010, 261.3622

■ 23.2320, 24.0504,
29.8033

■ 23.2320, 24.0504,
29.8033

■ 19.4143, 19.5617,
29.1385

■ 27.5867, 29.1496,
30.5584

■ 16.1108, 15.6576,
28.5590

■ 32.4959, 34.8779,
31.4053

■ 13.3001, 12.3150,
28.0620

■ 37.9789, 41.2567,
32.3476

■ 10.9584, 9.5080,
27.6436

■ 44.0535, 48.3057,
33.3880

■ 9.0601, 7.2087,
27.2998

■ 50.7366, 56.0435,
34.5293

■ 7.5770, 5.3865,
27.0263

■ 58.0446, 64.4883,
35.7741

■ 6.4779, 4.0076,
26.8181

■ 65.9931, 73.6574,
37.1250

■ 5.7266, 3.0339,
26.6697

■ 74.5973, 83.5675,
38.5844

■ 5.2652, 2.4125,
26.5741

■ 81.0195, 92.7644,
40.0211

Harmonies

Analogous

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



22.5771, 24.0504, 29.8766



23.2320, 24.0504, 29.8033



23.7972, 24.0504, 28.7320

Triad

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



23.2320, 24.0504, 29.8033



23.7314, 24.0504, 23.6247



21.6490, 24.0504, 25.3840

Complementary

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



23.2320, 24.0504, 29.8033



25.5577, 27.2673, 26.1067

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.



21.9461, 24.0504, 23.7965



23.2320, 24.0504, 29.8033



23.1436, 24.0504, 22.8140

Square

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



23.2320, 24.0504, 29.8033



24.0893, 24.0504, 25.1391



22.4904, 24.0504, 22.8754



21.6716, 24.0504, 27.2632

Rectangle

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



23.2320, 24.0504, 29.8033



24.0434, 24.0504, 27.6240



22.4904, 24.0504, 22.8754



21.7145, 24.0504, 24.8004

Sweetspot

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



23.2327, 24.0514, 29.8038



45.1566, 47.3194, 53.2916



24.5968, 26.9136, 29.8457



10.3785, 10.8785, 12.2249



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.



23.2327, 24.0514, 29.8038



39.8747, 41.1274, 52.3748



23.8042, 24.1413, 29.7911



5.1667, 5.3292, 6.7851



4.5191, 2.0242, 23.1296



0.0495, 0.0319, 0.2232

Inverse Universe

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



24.1927, 24.4260, 25.9951



41.8914, 41.9189, 44.3730



24.9552, 27.1811, 26.1218



5.4276, 5.4316, 5.7498



10.0841, 5.1907, 0.8285



0.0996, 0.0509, 0.0246

Previews

White Background



This preview shows how the XYZ color 23.2320, 24.0504, 29.8033 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 23.2320, 24.0504, 29.8033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

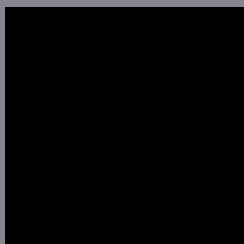
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

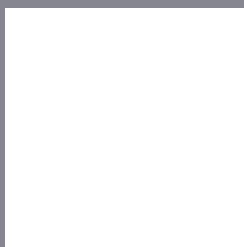
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2320, 24.0504, 29.8033

Background



This preview shows how black text looks on a background with the XYZ color 23.2320, 24.0504, 29.8033.

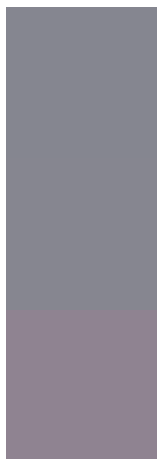


This preview shows how white text looks on a background with the XYZ color 23.2320, 24.0504,

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

23.2320, 24.0504, 29.8033

Protanopia

23.3907, 24.1321, 29.8107

Deuteranopia

24.5548, 24.1166, 30.1488



Tritanopia

23.3088, 24.0811, 30.2077

Trichromacy



Original Color

23.2320, 24.0504, 29.8033

Protanomaly

23.3907, 24.1321, 29.8107

Deuteranomaly

24.0096, 24.0358, 30.1620

Tritanomaly

23.3088, 24.0811, 30.2077

Monochromacy



Original Color

23.2320, 24.0504, 29.8033

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.0829, 24.2313, 27.5053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2320, 24.0504, 29.8033 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(133, 134, 144)` looks like.

```
.text, #text, p{  
    color:rgb(133, 134, 144)  
}
```

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(133, 134, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 134, 144) }
```

Border

The CSS property to change the border of an element to XYZ 23.2320, 24.0504, 29.8033 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(133, 134, 144) }
```


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

```
.border{ border-color:rgb(133, 134, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 134, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 134, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 134, 144);  
box-shadow:4px 4px 4px 4px rgb(133, 134,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2320, 24.0504, 29.8033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 134, 144) }
```

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

```
.background{ background-color: rgb(133,  
134, 144) }
```

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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