

Converting Colors

XYZ(23.5602, 23.0536, 23.8585)

Have a look what the booklet for
XYZ(23.5602, 23.0536, 23.8585)
contains.

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Color

**XYZ(23.7142, 23.2264,
24.0021)**

Conversions

Conversions Part 1

Format	Color
Hex	938081
RGB	147, 128, 129
RGB Percent	58%, 50%, 51%
CMY	0.4235, 0.4980, 0.4941
CMYK	0.00, 0.13, 0.12, 0.42
HSL	357°, 8%, 54%
HSV	357°, 13%, 58%
XYZ	23.7142, 23.2264, 24.0021
YIQ	133.7950, 11.0030, 4.3390

Conversions

Conversions Part 2

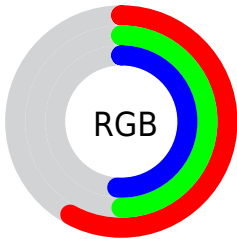
Format	Color
R_{YB}	147, 128, 129
Decimal	9666689
CIE _{Lab}	55.30, 7.42, 2.12
CIE _{LCh}	55, 7.719, 15.961
Yxy	23.2264, 0.3343, 0.3274
Android (android.graphics.Color)	4287856769 (0xFF938081)
YUV	133.7950, -2.3639, 11.5808
Hunter-Lab	48.1938, 3.4935, 4.2073

Details

The XYZ color **23.7142, 23.2264, 24.0021** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.5250, 27.5324, 31.2172**, and the grayscale version is **22.5909, 23.7673, 25.8826**.

A 20% lighter version of the original color is **49.0548, 48.8427, 51.0981**, and **9.0678, 8.6579, 8.7826** is the 20% darker color. If you saturate the color by 10%, you get **21.0704, 19.3207, 18.8602**, and if you desaturate by 10%, it is **26.7633, 27.7402, 29.9024**.

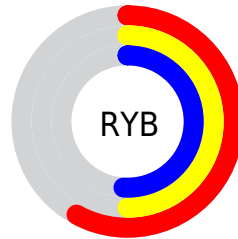
Distribution



Red (58%)

Green (50%)

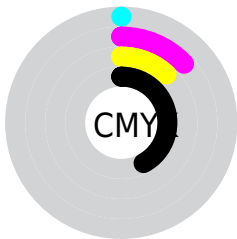
Blue (51%)



Red (58%)

Yellow (50%)

Blue (51%)

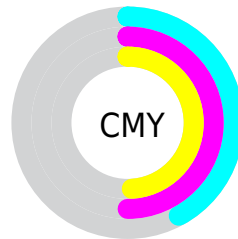


Cyan (0%)

Magenta (13%)

Yellow (12%)

Black (42%)



Cyan (42%)

Magenta (50%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7142, 23.2264, 24.0021 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 23.7142, 23.2264, 24.0021 by changing the saturation by 10% instead.

■ 23.7142, 23.2264,
24.0021

■ 23.7142, 23.2264,
24.0021

263.8397,
268.8857, 286.1180

■ 15.2453, 14.7608,
15.1230

■ 49.0215, 48.7648,
50.9775

■ 9.0792, 8.6517,
8.7581

■ 66.5906, 66.6064,
69.9108

■ 4.8504, 4.5147,
4.4891

■ 87.9239, 88.3420,
93.0327

■ 2.1936, 1.9654,
1.8973

113.3867,
114.3562, 120.7615

■ 0.7394, 0.5873,
0.4910

143.3443,
145.0333, 153.5160

■ 0.0000, 0.0000,
0.0000

178.1621,

180.7576, 191.7145

218.2055,
221.9136, 235.7756

■ 23.7142, 23.2264,
24.0021

■ 23.7142, 23.2264,
24.0021

■ 21.0704, 19.3207,
18.8602

■ 26.7633, 27.7402,
29.9024

■ 18.8131, 15.9943,
14.4445

■ 30.2318, 32.8834,
36.5885

■ 16.9246, 13.2204,
10.7227

■ 34.1353, 38.6799,
44.0884

■ 15.3855, 10.9693,
7.6596

■ 38.4883, 45.1514,
52.4280

■ 14.1741, 9.2080,
5.2168

■ 43.3045, 52.3187,
61.6324

■ 13.2668, 7.9002,
3.3518

■ 48.5969, 60.2018,
71.7254

■ 12.6365, 7.0044,
2.0171

■ 54.3781, 68.8197,
82.7300

■ 12.2513, 6.4712,
1.1574

■ 60.6602, 78.1909,
94.6683

■ 12.0749, 6.2200,
0.7857

■ 65.7395, 84.9018,
106.9898

Harmonies

Analogous

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



23.7294, 23.2264, 26.4629



23.7142, 23.2264, 24.0021



23.2526, 23.2264, 22.0173

Triad

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



23.7142, 23.2264, 24.0021



20.9017, 23.2264, 22.1205



21.6749, 23.2264, 30.1984

Complementary

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



23.7142, 23.2264, 24.0021



24.5250, 27.5324, 31.2172

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.



20.9398, 23.2264, 28.8711



23.7142, 23.2264, 24.0021



20.5013, 23.2264, 24.1515

Square

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



23.7142, 23.2264, 24.0021



21.6217, 23.2264, 20.9803



20.5150, 23.2264, 26.6223



22.5366, 23.2264, 30.1519

Rectangle

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



23.7142, 23.2264, 24.0021



22.7605, 23.2264, 21.1836



20.5150, 23.2264, 26.6223



21.4053, 23.2264, 29.8945

Sweetspot

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



23.7148, 23.2274, 24.0026



47.2582, 48.6846, 52.2545



24.7930, 23.6326, 30.8587



10.6963, 10.9778, 11.7514



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.



23.7148, 23.2274, 24.0026



40.7769, 39.0941, 39.6985



24.7666, 25.4365, 24.0278



5.8124, 5.8200, 6.1183



10.4713, 5.3936, 0.6967



0.1306, 0.0670, 0.0214

Inverse Universe

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



23.7148, 23.2274, 24.0026



40.7769, 39.0941, 39.6985



23.3683, 25.0944, 31.2159



5.8124, 5.8200, 6.1183



10.4713, 5.3936, 0.6967



0.1306, 0.0670, 0.0214

Previews

White Background



This preview shows how the XYZ color 23.7142, 23.2264, 24.0021 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 23.7142, 23.2264, 24.0021 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 23.7142, 23.2264, 24.0021

Background



This preview shows how black text looks on a background with the XYZ color 23.7142, 23.2264, 24.0021.



This preview shows how white text looks on a background with the XYZ color 23.7142, 23.2264,

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

23.7142, 23.2264, 24.0021

Protanopia

22.3397, 23.2921, 24.7911

Deuteranopia

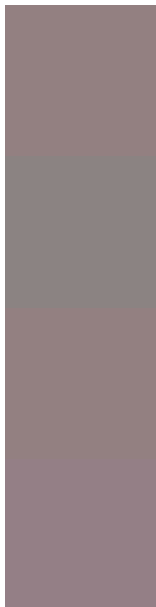
23.7142, 23.2264, 24.0021



Tritanopia

24.3175, 23.2808, 26.8789

Trichromacy



Original Color

23.7142, 23.2264, 24.0021

Protanomaly

22.7930, 23.3333, 24.4215

Deuteranomaly

23.7142, 23.2264, 24.0021

Tritanomaly

24.1052, 23.1959, 25.7610

Monochromacy



Original Color

23.7142, 23.2264, 24.0021

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.0636, 23.6574, 25.1806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7142, 23.2264, 24.0021 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(147, 128, 129) looks like.

```
.text, #text, p{  
    color:rgb(147, 128, 129)  
}
```

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(147, 128, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 128, 129) }
```

Border

The CSS property to change the border of an element to XYZ 23.7142, 23.2264, 24.0021 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(147, 128, 129) }
```


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

```
.border{ border-color:rgb(147, 128, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 128, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 128, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 128, 129); box-shadow:4px 4px 4px 4px rgb(147, 128, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7142, 23.2264, 24.0021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 128, 129) }
```

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

```
.background{ background-color: rgb(147,  
128, 129) }
```

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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