

Converting Colors

XYZ(23.2606, 24.3142, 27.3982)

Have a look what the booklet for
XYZ(23.2606, 24.3142, 27.3982)
contains.

XYZ(23.2431, 24.3138, 27.5128)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.2431, 24.3138,
27.5128)**

Conversions

Conversions Part 1

Format	Color
Hex	87878A
RGB	135, 135, 138
RGB Percent	53%, 53%, 54%
CMY	0.4706, 0.4706, 0.4588
CMYK	0.02, 0.02, 0.00, 0.46
HSL	240°, 1%, 54%
HSV	240°, 2%, 54%
XYZ	23.2431, 24.3138, 27.5128
YIQ	135.3420, -0.9630, 0.9330

Conversions

Conversions Part 2

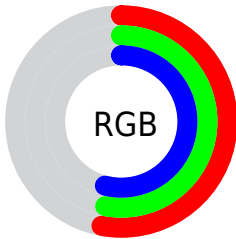
Format	Color
R_{YB}	135, 135, 138
Decimal	8882058
CIE Lab	56.40, 0.60, -1.61
CIE LCh	56, 1.720, 290.412
Yxy	24.3138, 0.3096, 0.3239
Android (android.graphics.Color)	4287072138 (0xFF87878A)
YUV	135.3420, 1.3104, -0.2999
Hunter-Lab	49.3090, -2.1501, 1.4345

Details

The XYZ color **23.2431, 24.3138, 27.5128** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.9430, 25.3293, 26.5492**, and the grayscale version is **23.1523, 24.3580, 26.5259**.

A 20% lighter version of the original color is **48.1262, 50.4194, 56.4856**, and **8.7563, 9.1329, 10.5338** is the 20% darker color. If you saturate the color by 10%, you get **19.3642, 19.6411, 26.8157**, and if you desaturate by 10%, it is **27.6605, 29.6355, 28.3075**.

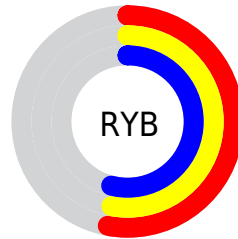
Distribution



Red (53%)

Green (53%)

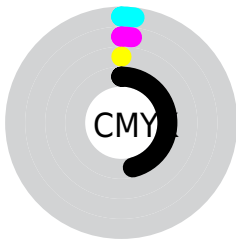
Blue (54%)



Red (53%)

Yellow (53%)

Blue (54%)

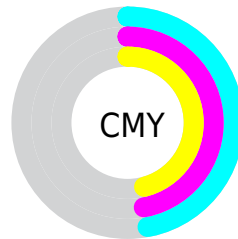


Cyan (2%)

Magenta (2%)

Yellow (0%)

Black (46%)



Cyan (47%)

Magenta (47%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2431, 24.3138, 27.5128 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 23.2431, 24.3138, 27.5128 by changing the saturation by 10% instead.

■ 23.2431, 24.3138,
27.5128

■ 23.2431, 24.3138,
27.5128

261.4832,
274.4031, 303.9699

■ 14.8948, 15.5666,
17.7229

■ 48.2559, 50.5418,
56.7194

■ 8.8314, 9.2180,
10.5838

■ 65.6511, 68.7913,
76.9731

■ 4.6876, 4.8836,
5.6771

■ 86.7927, 90.9771,
101.5518

■ 2.0980, 2.1791,
2.5842

112.0460,
117.4835, 130.8742

■ 0.6881, 0.7086,
0.8843

141.7763,
148.6949, 165.3586

■ 0.0000, 0.0000,
0.0000

176.3491,

184.9957, 205.4236

216.1296,
226.7703, 251.4879

■ 23.2431, 24.3138,
27.5128

■ 23.2431, 24.3138,
27.5128

■ 19.3642, 19.6411,
26.8157

■ 27.6605, 29.6355,
28.3075

■ 16.0011, 15.5895,
26.2109

■ 32.6337, 35.6263,
29.2018

■ 13.1329, 12.1338,
25.6951

■ 38.1817, 42.3096,
30.1993

■ 10.7361, 9.2460,
25.2640

■ 44.3222, 49.7063,
31.3034

■ 8.7856, 6.8958,
24.9131

■ 51.0719, 57.8368,
32.5170

■ 7.2537, 5.0498,
24.6376

■ 58.4470, 66.7205,
33.8430

■ 6.1100, 3.6713,
24.4318

■ 66.4631, 76.3762,
35.2843

■ 5.3195, 2.7183,
24.2895

■ 75.1351, 86.8218,
36.8434

■ 4.8413, 2.1416,
24.2034

■ 81.5875, 94.6150,
38.0076

Harmonies

Analogous

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



23.0459, 24.3138, 27.5677



23.2431, 24.3138, 27.5128



23.4053, 24.3138, 27.1773

Triad

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



23.2431, 24.3138, 27.5128



23.3540, 24.3138, 25.6389



22.7347, 24.3138, 26.2917

Complementary

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



23.2431, 24.3138, 27.5128



23.9430, 25.3293, 26.5492

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.



22.8162, 24.3138, 25.7821



23.2431, 24.3138, 27.5128



23.1733, 24.3138, 25.4089

Square

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



23.2431, 24.3138, 27.5128



23.4696, 24.3138, 26.0936



22.9765, 24.3138, 25.4609



22.7532, 24.3138, 26.8572

Rectangle

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



23.2431, 24.3138, 27.5128



23.4715, 24.3138, 26.8423



22.9765, 24.3138, 25.4609



22.7513, 24.3138, 26.1083

Sweetspot

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



23.2438, 24.3148, 27.5133



41.8190, 43.8805, 48.6489



23.6644, 25.1618, 27.6357



9.3913, 9.8561, 10.9138



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



23.2438, 24.3148, 27.5133



40.3240, 42.0795, 48.3800



23.4784, 24.4353, 27.5242



5.2767, 5.4973, 6.3888



4.2071, 1.6845, 22.1491



0.0280, 0.0113, 0.1471

Inverse Universe

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



23.5189, 24.4810, 26.4086



41.0037, 42.4899, 45.6509



23.7050, 25.2071, 26.5381



5.3837, 5.5619, 5.9592



9.6103, 4.9543, 0.4525



0.0639, 0.0329, 0.0031

Previews

White Background



This preview shows how the XYZ color 23.2431, 24.3138, 27.5128 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 23.2431, 24.3138, 27.5128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

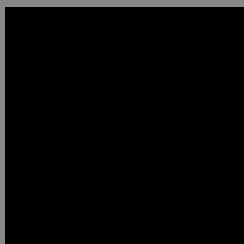
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

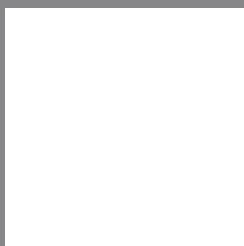
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2431, 24.3138, 27.5128

Background



This preview shows how black text looks on a background with the XYZ color 23.2431, 24.3138, 27.5128.



This preview shows how white text looks on a background with the XYZ color 23.2431, 24.3138,

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

23.2431, 24.3138, 27.5128

Protanopia

23.4291, 24.2035, 27.4817

Deuteranopia

24.8091, 24.2997, 27.8088



Tritanopia

23.7893, 24.3288, 30.2302

Trichromacy



Original Color

23.2431, 24.3138, 27.5128

Protanomaly

23.2659, 24.1194, 27.4740

Deuteranomaly

24.2392, 24.2062, 27.8208

Tritanomaly

23.5609, 24.2374, 29.0277

Monochromacy



Original Color

23.2431, 24.3138, 27.5128

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.0996, 24.2564, 26.7570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2431, 24.3138, 27.5128 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(135, 135, 138)` looks like.

```
.text, #text, p{  
    color:rgb(135, 135, 138)  
}
```

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(135, 135, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 135, 138) }
```

Border

The CSS property to change the border of an element to XYZ 23.2431, 24.3138, 27.5128 is called "border". The border property can be set on classes, ids or directly on the HTML element.

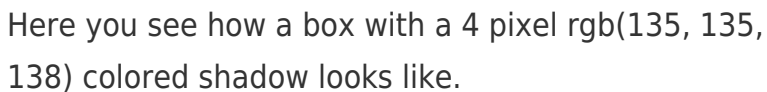
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 135, 138) }
```


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

```
.border{ border-color:rgb(135, 135, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 135, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 135, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 135, 138); box-shadow:4px 4px 4px 4px rgb(135, 135, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2431, 24.3138, 27.5128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 135, 138) }
```

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

```
.background{ background-color: rgb(135,  
135, 138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor