

Converting Colors

XYZ(23.8369, 25.2672, 28.4320)

Have a look what the booklet for
XYZ(23.8369, 25.2672, 28.4320)
contains.

XYZ(23.8138, 25.2213, 28.4240)	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(23.8138, 25.2213,
28.4240)**

Conversions

Conversions Part 1

Format	Color
Hex	878A8C
RGB	135, 138, 140
RGB Percent	53%, 54%, 55%
CMY	0.4706, 0.4588, 0.4510
CMYK	0.04, 0.01, 0.00, 0.45
HSL	204°, 2%, 54%
HSV	204°, 4%, 55%
XYZ	23.8138, 25.2213, 28.4240
YIQ	137.3310, -2.4300, -0.0140

Conversions

Conversions Part 2

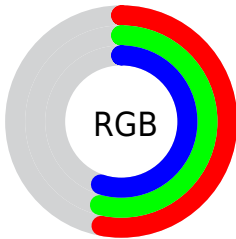
Format	Color
R_{YB}	135, 137, 140
Decimal	8882828
CIE _{Lab}	57.29, -0.70, -1.46
CIE _{LCh}	57, 1.617, 244.471
Yxy	25.2213, 0.3074, 0.3256
Android (android.graphics.Color)	4287072908 (0xFF878A8C)
YUV	137.3310, 1.3158, -2.0443
Hunter-Lab	50.2208, -3.2450, 1.5976

Details

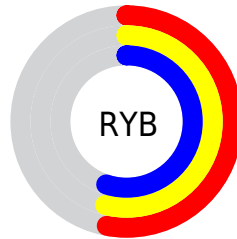
The XYZ color **23.8138, 25.2213, 28.4240** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.1342, 25.2159, 26.5173**, and the grayscale version is **23.8996, 25.1442, 27.3820**.

A 20% lighter version of the original color is **48.9955, 51.8032, 57.8688**, and **9.0815, 9.6489, 11.0566** is the 20% darker color. If you saturate the color by 10%, you get **20.9259, 22.5723, 28.0653**, and if you desaturate by 10%, it is **27.0407, 28.1079, 28.8115**.

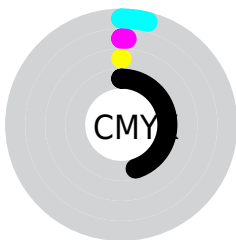
Distribution



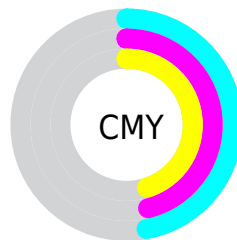
- Red (53%)
- Green (54%)
- Blue (55%)



- Red (53%)
- Yellow (54%)
- Blue (55%)



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (45%)



- Cyan (47%)
- Magenta (46%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8138, 25.2213, 28.4240 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 23.8138, 25.2213, 28.4240 by changing the saturation by 10% instead.

■ 23.8138, 25.2213,
28.4240

■ 23.8138, 25.2213,
28.4240

264.3357,
278.9382, 308.4629

■ 15.3195, 16.2420,
18.4037

■ 49.1831, 52.0160,
58.1919

■ 9.1317, 9.6956,
11.0678

■ 66.7888, 70.6002,
78.7766

■ 4.8850, 5.1976,
5.9977

■ 88.1624, 93.1548,
103.7198

■ 2.2140, 2.3637,
2.7749

113.6692,
120.0643, 133.4401

■ 0.7501, 0.8071,
0.9809

143.6746,
151.7130, 168.3560

■ 0.0000, 0.0000,
0.0000

178.5439,

188.4853, 208.8861

218.6425,
230.7656, 255.4489

■ 23.8138, 25.2213,
28.4240

■ 23.8138, 25.2213,
28.4240

■ 20.9259, 22.5723,
28.0653

■ 27.0407, 28.1079,
28.8115

■ 18.3628, 20.1505,
27.7329

■ 30.6160, 31.2356,
29.2267

■ 16.1123, 17.9493,
27.4267

■ 34.5511, 34.6120,
29.6710

■ 14.1608, 15.9609,
27.1457

■ 38.8566, 38.2433,
30.1450

■ 12.4933, 14.1765,
26.8892

■ 43.5423, 42.1354,
30.6493

■ 11.0937, 12.5867,
26.6561

■ 48.6179, 46.2942,
31.1845

■ 9.9439, 11.1813,
26.4454

■ 54.0925, 50.7252,
31.7513

■ 9.0236, 9.9487,
26.2560

■ 59.9751, 55.4338,
32.3501

■ 8.3081, 8.8750,
26.0865

■ 64.0315, 59.2690,
32.8765

Harmonies

Analogous

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



23.6699, 25.2213, 28.0627



23.8138, 25.2213, 28.4240



24.0008, 25.2213, 28.5262

Triad

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



23.8138, 25.2213, 28.4240



24.3409, 25.2213, 27.3796



23.7644, 25.2213, 26.6018

Complementary

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



23.8138, 25.2213, 28.4240



24.1342, 25.2159, 26.5173

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.



23.9434, 25.2213, 26.4241



23.8138, 25.2213, 28.4240



24.2768, 25.2213, 26.8694

Square

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



23.8138, 25.2213, 28.4240



24.3058, 25.2213, 27.9185



24.1311, 25.2213, 26.5214



23.6415, 25.2213, 27.0099

Rectangle

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



23.8138, 25.2213, 28.4240



24.1249, 25.2213, 28.4324



24.1311, 25.2213, 26.5214



23.8199, 25.2213, 26.5133

Sweetspot

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



23.8145, 25.2224, 28.4246



43.3787, 45.7251, 50.2825



23.8796, 25.7112, 27.3402



10.0040, 10.5438, 11.5873



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.



23.8145, 25.2224, 28.4246



41.7100, 44.2179, 50.0795



23.4713, 24.5360, 28.3102



5.3121, 5.6365, 6.4138



7.0468, 7.3640, 23.0957



0.0612, 0.0777, 0.1582

Inverse Universe

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



24.0672, 24.7389, 27.5526



42.2184, 43.2484, 48.3245



24.4819, 25.9113, 26.6332



5.3848, 5.4982, 6.1626



11.0437, 5.5276, 8.0005



0.0806, 0.0396, 0.0913

Previews

White Background



This preview shows how the XYZ color 23.8138, 25.2213, 28.4240 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 23.8138, 25.2213, 28.4240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

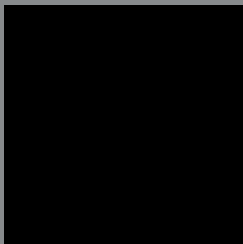
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

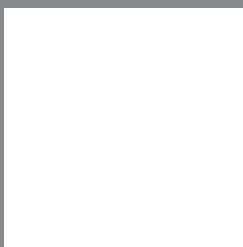
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8138, 25.2213, 28.4240

Background



This preview shows how black text looks on a background with the XYZ color 23.8138, 25.2213, 28.4240.



This preview shows how white text looks on a background with the XYZ color 23.8138, 25.2213,

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

23.8138, 25.2213, 28.4240

Protanopia

24.2533, 25.2444, 28.0205

Deuteranopia

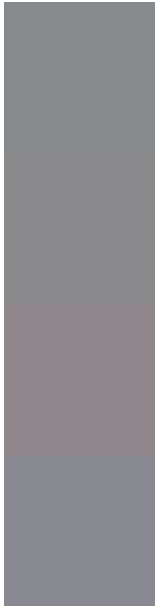
25.5897, 25.0877, 28.6930



Tritanopia

24.4443, 25.2637, 31.6050

Trichromacy



Original Color

23.8138, 25.2213, 28.4240

Protanomaly

24.0871, 25.1587, 28.0127

Deuteranomaly

24.9733, 25.1803, 28.7434

Tritanomaly

24.2098, 25.1699, 30.3703

Monochromacy



Original Color

23.8138, 25.2213, 28.4240

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.6864, 24.9605, 27.6142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8138, 25.2213, 28.4240 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, 138, 140)` looks like.

```
.text, #text, p{  
    color:rgb(135, 138, 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(135, 138, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 138, 140) }
```

Border

The CSS property to change the border of an element to XYZ 23.8138, 25.2213, 28.4240 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, 138, 140) }
```


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

```
.border{ border-color:rgb(135, 138, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 138, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 138, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 138, 140);  
box-shadow:4px 4px 4px 4px rgb(135, 138,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8138, 25.2213, 28.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 138, 140) }
```

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

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

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