

Converting Colors

XYZ(24.5532, 24.8647, 33.2115)

Have a look what the booklet for
XYZ(24.5532, 24.8647, 33.2115)
contains.

XYZ(24.4848, 24.8292, 33.2078)	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(24.4848, 24.8292,
33.2078)**

Conversions

Conversions Part 1

Format	Color
Hex	888798
RGB	136, 135, 152
RGB Percent	53%, 53%, 60%
CMY	0.4667, 0.4706, 0.4039
CMYK	0.11, 0.11, 0.00, 0.40
HSL	244°, 8%, 56%
HSV	244°, 11%, 60%
XYZ	24.4848, 24.8292, 33.2078
YIQ	137.2370, -4.8610, 5.4990

Conversions

Conversions Part 2

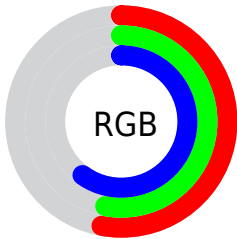
Format	Color
RYB	136, 135, 152
Decimal	8947608
CIELab	56.91, 3.88, -8.92
CIELCh	57, 9.728, 293.519
Yxy	24.8292, 0.2967, 0.3009
Android (android.graphics.Color)	4287137688 (0xFF888798)
YUV	137.2370, 7.2782, -1.0848
Hunter-Lab	49.8289, 0.5103, -4.6328

Details

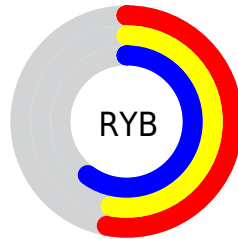
The XYZ color **24.4848, 24.8292, 33.2078** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.3649, 30.7857, 27.3702**, and the grayscale version is **23.8427, 25.0844, 27.3169**.

A 20% lighter version of the original color is **50.1101, 51.2415, 65.6420**, and **9.4352, 9.4150, 13.6319** is the 20% darker color. If you saturate the color by 10%, you get **20.3431, 19.7679, 32.4496**, and if you desaturate by 10%, it is **29.2410, 30.6581, 34.0826**.

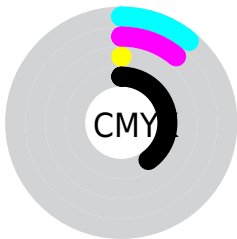
Distribution



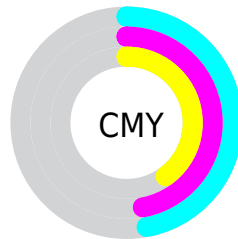
- Red (53%)
- Green (53%)
- Blue (60%)



- Red (53%)
- Yellow (53%)
- Blue (60%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (40%)



- Cyan (47%)
- Magenta (47%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4848, 24.8292, 33.2078 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 24.4848, 24.8292, 33.2078 by changing the saturation by 10% instead.

■ 24.4848, 24.8292,
33.2078

■ 24.4848, 24.8292,
33.2078

267.6576,
276.9863, 331.2457

■ 15.8203, 15.9498,
22.0133

■ 50.2691, 51.3800,
65.8196

■ 9.4871, 9.4887,
13.6682

■ 68.1197, 69.8202,
88.0739

■ 5.1199, 5.0613,
7.7542

■ 89.7629, 92.2162,
114.8519

■ 2.3533, 2.2833,
3.8525

115.5643,
118.9524, 146.5720

■ 0.8217, 0.7648,
1.5448

145.8891,
150.4130, 183.6530

■ 0.0000, 0.0000,
0.2510

181.1026,

■ 0.0000, 0.0000,

186.9827, 226.5132

0.0000

221.5704,
229.0456, 275.5713

■ 24.4848, 24.8292,
33.2078

■ 24.4848, 24.8292,
33.2078

■ 20.3431, 19.7679,
32.4496

■ 29.2410, 30.6581,
34.0826

■ 16.7887, 15.4393,
31.8014

■ 34.6331, 37.2814,
35.0768

■ 13.7957, 11.8103,
31.2587

■ 40.6839, 44.7285,
36.1954

■ 11.3353, 8.8442,
30.8158

■ 47.4148, 53.0264,
37.4423

■ 9.3762, 6.5008,
30.4668

■ 54.8461, 62.2008,
38.8214

■ 7.8839, 4.7358,
30.2047

■ 62.9970, 72.2763,
40.3366

■ 6.8195, 3.4987,
30.0221

■ 71.8864, 83.2766,
41.9913

■ 6.1375, 2.7307,
29.9097

■ 81.0182, 94.1968,
43.6178

■ 5.7793, 2.3246,
29.8503

■ 82.6676, 95.0470,
43.6950

Harmonies

Analogous

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



23.3529, 24.8292, 33.7629



24.4848, 24.8292, 33.2078



25.4057, 24.8292, 30.9408

Triad

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



24.4848, 24.8292, 33.2078



24.9265, 24.8292, 22.2957



21.4882, 24.8292, 26.3325

Complementary

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



24.4848, 24.8292, 33.2078



28.3649, 30.7857, 27.3702

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.



21.8808, 24.8292, 23.4722



24.4848, 24.8292, 33.2078



23.8476, 24.8292, 21.2657

Square

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



24.4848, 24.8292, 33.2078



25.6665, 24.8292, 24.6067



22.7356, 24.8292, 21.6785



21.6464, 24.8292, 29.6175

Rectangle

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



24.4848, 24.8292, 33.2078



25.7639, 24.8292, 28.8547



22.7356, 24.8292, 21.6785



21.5597, 24.8292, 25.2930

Sweetspot

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



24.4855, 24.8302, 33.2083



49.9538, 52.0789, 59.8531



26.7507, 29.6001, 34.0096



11.2015, 11.6501, 13.5758



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



24.4855, 24.8302, 33.2083



41.6177, 41.8683, 58.3216



25.8952, 25.5569, 33.2743



5.9164, 6.0428, 7.7835



4.8551, 1.9540, 25.0290



0.0804, 0.0332, 0.3745

Inverse Universe

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



27.1997, 26.2388, 32.9105



47.2194, 44.7757, 57.6957



26.8694, 30.0148, 27.3002



6.4456, 6.3174, 7.7264



15.0234, 7.2636, 22.4460



0.2287, 0.1102, 0.3571

Previews

White Background



This preview shows how the XYZ color 24.4848, 24.8292, 33.2078 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 24.4848, 24.8292, 33.2078 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

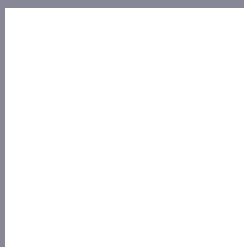
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4848, 24.8292, 33.2078

Background



This preview shows how black text looks on a background with the XYZ color 24.4848, 24.8292, 33.2078.



This preview shows how white text looks on a background with the XYZ color 24.4848, 24.8292,

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

24.4848, 24.8292, 33.2078

Protanopia

24.3032, 24.9436, 33.2395

Deuteranopia

25.2104, 24.7928, 33.1625



Tritanopia

24.0623, 24.8658, 31.1351

Trichromacy



Original Color

24.4848, 24.8292, 33.2078

Protanomaly

24.4633, 25.0262, 33.2469

Deuteranomaly

25.0078, 24.8926, 33.1925

Tritanomaly

24.2206, 24.9291, 31.9690

Monochromacy



Original Color

24.4848, 24.8292, 33.2078

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.0032, 24.8797, 29.1283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4848, 24.8292, 33.2078 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, 135, 152)` looks like.

```
.text, #text, p{  
    color:rgb(136, 135, 152)  
}
```

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, 135, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 135, 152) }
```

Border

The CSS property to change the border of an element to XYZ 24.4848, 24.8292, 33.2078 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, 135, 152) }
```


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

```
.border{ border-color:rgb(136, 135, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 135, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 135, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 135, 152);  
box-shadow:4px 4px 4px 4px rgb(136, 135,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4848, 24.8292, 33.2078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 135, 152) }
```

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

```
.background{ background-color: rgb(136,  
135, 152) }
```

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