

Converting Colors

XYZ(23.9930, 27.3594, 8.6965)

Have a look what the booklet for
XYZ(23.9930, 27.3594, 8.6965)
contains.

XYZ(23.9715, 27.2851, 8.7057)	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(23.9715, 27.2851,
8.7057)**

Conversions

Conversions Part 1

Format	Color
Hex	98913F
RGB	152, 145, 63
RGB Percent	60%, 57%, 25%
CMY	0.4039, 0.4314, 0.7529
CMYK	0.00, 0.05, 0.59, 0.40
HSL	55°, 41%, 42%
HSV	55°, 59%, 60%
XYZ	23.9715, 27.2851, 8.7057
YIQ	137.7450, 30.4940, -24.0180

Conversions

Conversions Part 2

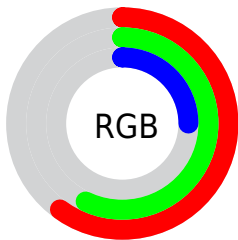
Format	Color
R_{YB}	71, 152, 63
Decimal	9998655
CIE _{Lab}	59.24, -8.39, 43.56
CIE _{LCh}	59, 44.360, 100.908
Yxy	27.2851, 0.3998, 0.4550
Android (android.graphics.Color)	4288188735 (0xFF98913F)
YUV	137.7450, -36.8493, 12.5016
Hunter-Lab	52.2351, -9.4951, 26.6831

Details

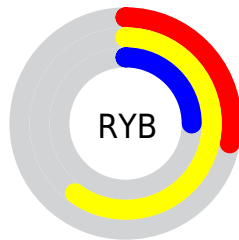
The XYZ color **23.9715, 27.2851, 8.7057** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.9075, 7.7038, 30.6704**, and the grayscale version is **24.1887, 25.4484, 27.7133**.

A 20% lighter version of the original color is **49.4731, 55.4716, 24.0192**, and **9.1840, 10.8030, 1.8883** is the 20% darker color. If you saturate the color by 10%, you get **23.4227, 26.7760, 6.7087**, and if you desaturate by 10%, it is **24.6408, 27.8475, 11.3222**.

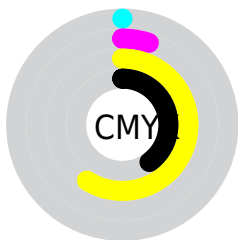
Distribution



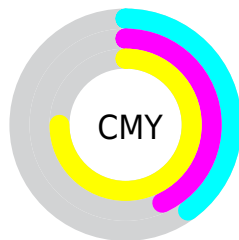
- Red (60%)
- Green (57%)
- Blue (25%)



- Red (28%)
- Yellow (60%)
- Blue (25%)



- Cyan (0%)
- Magenta (5%)
- Yellow (59%)
- Black (40%)



- Cyan (40%)
- Magenta (43%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9715, 27.2851, 8.7057 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 23.9715, 27.2851, 8.7057 by changing the saturation by 10% instead.

■ 23.9715, 27.2851,
8.7057

■ 23.9715, 27.2851,
8.7057

265.1195,
289.0349, 191.3035

■ 15.4371, 17.7875,
4.4555

■ 49.4387, 55.3410,
23.8993

■ 9.2150, 10.7975,
1.8784

■ 67.1022, 74.6681,
35.6799

■ 4.9399, 5.9308,
0.4790

■ 88.5395, 98.0404,
50.8076

■ 2.2465, 2.8031,
0.0000

■ 114.1159,
125.8424, 69.7011

■ 0.7671, 1.0298,
0.0000

■ 144.1967,
158.4585, 92.7790

■ 0.0000, 0.0000,
0.0000

179.1473,

196.2730, 120.4596

219.3332,
239.6703, 153.1616

■ 23.9715, 27.2851,
8.7057

■ 23.9715, 27.2851,
8.7057

■ 23.4227, 26.7760,
6.7087

■ 24.6408, 27.8475,
11.3222

■ 22.9825, 26.3124,
5.2773

■ 25.4375, 28.4629,
14.6027

■ 22.6401, 25.8910,
4.3512

■ 26.3702, 29.1359,
18.5898

■ 22.3719, 25.5023,
3.8065

■ 27.4462, 29.8692,
23.3219

■ 22.3345, 25.4468,
3.7346

■ 28.6722, 30.6656,
28.8347

■ 30.0547, 31.5278,
35.1615

■ 31.5995, 32.4580,
42.3338

■ 33.3124, 33.4586,
50.3813

■ 35.1987, 34.5317,
59.3323

Harmonies

Analogous

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



29.5726, 27.2851, 9.2119



23.9715, 27.2851, 8.7057



19.5703, 27.2851, 12.1147

Triad

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



23.9715, 27.2851, 8.7057



18.6935, 27.2851, 54.4706



37.3464, 27.2851, 40.8345

Complementary

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



23.9715, 27.2851, 8.7057



9.9075, 7.7038, 30.6704

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.



33.5455, 27.2851, 59.2092



23.9715, 27.2851, 8.7057



22.6062, 27.2851, 68.8209

Square

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



23.9715, 27.2851, 8.7057



16.8245, 27.2851, 35.8576



28.0001, 27.2851, 70.8108



37.8500, 27.2851, 24.3065

Rectangle

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



23.9715, 27.2851, 8.7057



17.7014, 27.2851, 17.2172



28.0001, 27.2851, 70.8108



36.3891, 27.2851, 47.1283

Sweetspot

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



23.9721, 27.2864, 8.7063



48.4864, 52.7495, 41.3476



15.8452, 10.6781, 7.0898



10.8972, 11.9070, 8.8513



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.



23.9721, 27.2864, 8.7063



41.1066, 47.0246, 11.0349



19.1848, 26.4545, 8.7980



6.6674, 7.1398, 6.6326



18.7375, 21.3573, 3.1348



0.2908, 0.3405, 0.0504

Inverse Universe

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



9.9075, 7.7038, 30.6704



13.9737, 9.2723, 53.4869



12.7100, 8.5364, 30.6834



5.9216, 6.1005, 7.7944



4.8720, 2.1407, 25.0641



0.0819, 0.0502, 0.3777

Previews

White Background



This preview shows how the XYZ color 23.9715, 27.2851, 8.7057 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 23.9715, 27.2851, 8.7057 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 23.9715, 27.2851, 8.7057

Background



This preview shows how black text looks on a background with the XYZ color 23.9715, 27.2851, 8.7057.



This preview shows how white text looks on a background with the XYZ color 23.9715, 27.2851,

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

23.9715, 27.2851, 8.7057

Protanopia

24.7925, 27.2618, 8.5128

Deuteranopia

27.6920, 27.2318, 8.9510



Tritanopia

28.5678, 27.1885, 31.3460

Trichromacy



Original Color

23.9715, 27.2851, 8.7057

Protanomaly

24.5531, 27.3622, 8.5448

Deuteranomaly

26.1231, 27.0624, 8.8478

Tritanomaly

26.2896, 26.8943, 20.3285

Monochromacy



Original Color

23.9715, 27.2851, 8.7057

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.7218, 26.0371, 18.8143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9715, 27.2851, 8.7057 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(152, 145, 63)` looks like.

```
.text, #text, p{  
    color:rgb(152, 145, 63)  
}
```

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(152, 145, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 145, 63) }
```

Border

The CSS property to change the border of an element to XYZ 23.9715, 27.2851, 8.7057 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(152, 145, 63) }
```


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

```
.border{ border-color:rgb(152, 145, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 145, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 145, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 145, 63);  
box-shadow:4px 4px 4px 4px rgb(152, 145,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9715, 27.2851, 8.7057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 145, 63) }
```

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

```
.background{ background-color: rgb(152,  
145, 63) }
```

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