

Converting Colors

XYZ(13.7783, 23.9198, 8.1215)

Have a look what the booklet for
XYZ(13.7783, 23.9198, 8.1215)
contains.

XYZ(13.7824, 23.9209, 8.1658)	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(13.7824, 23.9209,
8.1658)**

Conversions

Conversions Part 1

Format	Color
Hex	37993C
RGB	55, 153, 60
RGB Percent	22%, 60%, 24%
CMY	0.7843, 0.4000, 0.7647
CMYK	0.64, 0.00, 0.61, 0.40
HSL	123°, 47%, 41%
HSV	123°, 64%, 60%
XYZ	13.7824, 23.9209, 8.1658
YIQ	113.0960, -28.5550, -49.6990

Conversions

Conversions Part 2

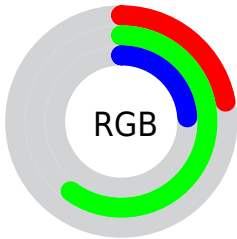
Format	Color
RYB	55, 148, 153
Decimal	3643708
CIELab	56.01, -47.70, 39.81
CIElCh	56, 62.129, 140.150
Yxy	23.9209, 0.3005, 0.5215
Android (android.graphics.Color)	4281833788 (0xFF37993C)
YUV	113.0960, -26.1763, -50.9502
Hunter-Lab	48.9090, -35.2900, 24.3373




Details

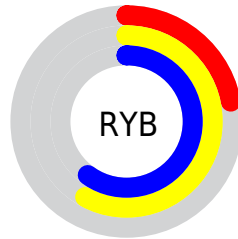
The XYZ color **13.7824, 23.9209, 8.1658** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **19.8490, 11.6432, 29.2185**, and the grayscale version is **15.8064, 16.6296, 18.1096**.




A 20% lighter version of the original color is **32.2352, 49.7702, 22.9466**, and **4.6866, 9.3205, 1.7243** is the 20% darker color. If you saturate the color by 10%, you get **12.7382, 23.4217, 6.3812**, and if you desaturate by 10%, it is **15.1930, 24.5982, 10.5184**.

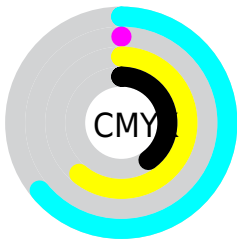
Distribution







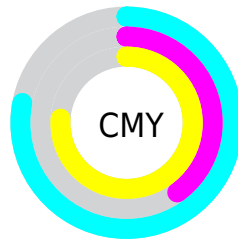
-  Red (22%)
-  Green (60%)
-  Blue (24%)






-  Red (22%)
-  Yellow (58%)
-  Blue (60%)



-  Cyan (64%)
-  Magenta (0%)
-  Yellow (61%)
-  Black (40%)



-  Cyan (78%)
-  Magenta (40%)
-  Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7824, 23.9209, 8.1658 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 13.7824, 23.9209, 8.1658 by changing the saturation by 10% instead.

■ 13.7824, 23.9209,
8.1658

■ 13.7824, 23.9209,
8.1658

209.4107,
272.4203, 187.0096

■ 8.0502, 15.2750,
4.1119

■ 32.2919, 49.9011,
22.8344

■ 4.1791, 9.0126,
1.6869

■ 45.7999, 68.0041,
34.2861

■ 1.8040, 4.7494,
0.3518

■ 62.6306, 90.0283,
49.0409

■ 0.5201, 2.1010,
0.0000

■ 83.1492, 116.3580,
67.5173

■ 0.0000, 0.6652,
0.0000

■ 107.7212,
147.3777, 90.1339

■ 0.0000, 0.0000,
0.0000

■ 136.7118,

183.4717, 117.3091

170.4866,
225.0245, 149.4615

■ 13.7824, 23.9209,
8.1658

■ 13.7824, 23.9209,
8.1658

■ 12.7382, 23.4217,
6.3812

■ 15.1930, 24.5982,
10.5184

■ 12.0248, 23.0812,
5.1152

■ 16.9978, 25.4649,
13.4797

■ 11.6025, 22.8808,
4.3128

■ 19.2240, 26.5350,
17.0887

■ 11.4345, 22.8005,
4.0225

■ 21.8958, 27.8202,
21.3804

■ 25.0358, 29.3313,
26.3876

■ 28.6648, 31.0785,
32.1407

■ 32.8024, 33.0713,
38.6687

■ 37.4672, 35.3187,
45.9987

■ 42.6769, 37.8293,
54.1566

Harmonies

Analogous

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



18.3496, 23.9209, 3.8821



13.7824, 23.9209, 8.1658



11.7627, 23.9209, 19.9132

Triad

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



13.7824, 23.9209, 8.1658



20.4796, 23.9209, 86.6883



38.1132, 23.9209, 14.7644

Complementary

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



13.7824, 23.9209, 8.1658



19.8490, 11.6432, 29.2185

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.



39.0156, 23.9209, 33.3236



13.7824, 23.9209, 8.1658



27.7712, 23.9209, 82.7006

Square

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



13.7824, 23.9209, 8.1658



15.0616, 23.9209, 69.0759



34.9115, 23.9209, 59.9944



32.6549, 23.9209, 6.0824

Rectangle

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



13.7824, 23.9209, 8.1658



11.7707, 23.9209, 33.5624



34.9115, 23.9209, 59.9944



38.9977, 23.9209, 19.7446

Sweetspot

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



13.7830, 23.9219, 8.1663



41.7346, 51.0349, 42.3192



24.3126, 29.3647, 8.0011



8.8971, 11.1158, 8.8363



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.



13.7830, 23.9219, 8.1663



22.1714, 41.6381, 10.3050



15.7223, 24.6976, 18.3788



6.1443, 6.9304, 6.6833



9.4539, 18.8450, 3.3447



0.1443, 0.2829, 0.0657

Inverse Universe

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



19.8490, 11.6432, 29.2185



33.9069, 17.8280, 50.9922



16.7606, 10.4078, 12.9554



6.4476, 6.3182, 7.7372



15.0974, 7.2932, 22.8355



0.2293, 0.1105, 0.3603

Previews

White Background



This preview shows how the XYZ color 13.7824, 23.9209, 8.1658 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 13.7824, 23.9209, 8.1658 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 13.7824, 23.9209, 8.1658

Background



This preview shows how black text looks on a background with the XYZ color 13.7824, 23.9209, 8.1658.



This preview shows how white text looks on a background with the XYZ color 13.7824, 23.9209,

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

13.7824, 23.9209, 8.1658

Protanopia

21.5854, 23.7061, 6.9281

Deuteranopia

23.9426, 23.4886, 8.7407



Tritanopia

19.0471, 23.7170, 34.5843

Trichromacy



Original Color

13.7824, 23.9209, 8.1658



Protanomaly

17.3089, 22.9801, 7.2647



Deuteranomaly

18.0705, 22.2751, 8.3481



Tritanomaly

16.4224, 23.5631, 21.4519

Monochromacy



Original Color

13.7824, 23.9209, 8.1658



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

14.1532, 18.5218, 13.4188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7824, 23.9209, 8.1658 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(55, 153, 60)` looks like.

```
.text, #text, p{  
    color:rgb(55, 153, 60)  
}
```

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(55, 153, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 153, 60) }
```

Border

The CSS property to change the border of an element to XYZ 13.7824, 23.9209, 8.1658 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(55, 153, 60) }
```


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

```
.border{ border-color:rgb(55, 153, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 153, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 153, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 153, 60);  
box-shadow:4px 4px 4px 4px rgb(55, 153,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7824, 23.9209, 8.1658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 153, 60) }
```

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

```
.background{ background-color: rgb(55, 153,  
60) }
```

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