

Converting Colors

XYZ(15.3757, 12.9781, 9.9252)

Have a look what the booklet for
XYZ(15.3757, 12.9781, 9.9252)
contains.

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Color

**XYZ(15.3676, 12.9223,
9.8679)**

Conversions

Conversions Part 1

Format	Color
Hex	895853
RGB	137, 88, 83
RGB Percent	54%, 35%, 33%
CMY	0.4627, 0.6549, 0.6745
CMYK	0.00, 0.36, 0.39, 0.46
HSL	6°, 25%, 43%
HSV	6°, 39%, 54%
XYZ	15.3676, 12.9223, 9.8679
YIQ	102.0810, 30.8090, 8.8330

Conversions

Conversions Part 2

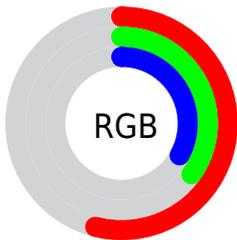
Format	Color
R_{YB}	137, 89, 83
Decimal	9001043
CIE Lab	42.65, 19.61, 11.28
CIE LCh	43, 22.619, 29.907
Yxy	12.9223, 0.4027, 0.3387
Android (android.graphics.Color)	4287191123 (0xFF895853)
YUV	102.0810, -9.4069, 30.6240
Hunter-Lab	35.9476, 13.4005, 8.8877

Details

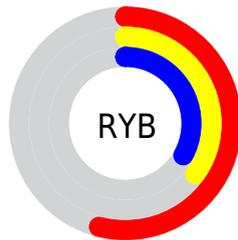
The XYZ color **15.3676, 12.9223, 9.8679** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.3337, 20.1471, 26.6949**, and the grayscale version is **12.6689, 13.3287, 14.5149**.

A 20% lighter version of the original color is **34.9916, 31.0494, 25.9787**, and **4.9241, 3.7272, 2.2936** is the 20% darker color. If you saturate the color by 10%, you get **13.9552, 10.8620, 7.0403**, and if you desaturate by 10%, it is **17.0592, 15.3737, 13.3045**.

Distribution



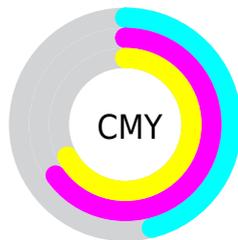
- Red (54%)
- Green (35%)
- Blue (33%)



- Red (54%)
- Yellow (35%)
- Blue (33%)



- Cyan (0%)
- Magenta (36%)
- Yellow (39%)
- Black (46%)



- Cyan (46%)
- Magenta (65%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3676, 12.9223, 9.8679 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 15.3676, 12.9223, 9.8679 by changing the saturation by 10% instead.

 15.3676, 12.9223,
9.8679

 15.3676, 12.9223,
9.8679

218.9251,
210.4191, 200.1771

 9.1658, 7.3751,
5.2070

 35.0632, 31.1641,
26.1507

 4.9074, 3.6978,
2.3084

 49.2876, 44.6275,
38.6096

 2.2273, 1.5060,
0.7359

 66.9170, 61.4984,
54.5050

 0.7570, 0.2929,
0.0000

 88.3166, 82.1611,
74.2553

 0.0000, 0.0000,
0.0000

 113.8519,
107.0002, 98.2791

143.8882,

136.4000, 126.9950

178.7908,
170.7448, 160.8215

■ 15.3676, 12.9223,
9.8679

■ 15.3676, 12.9223,
9.8679

■ 13.9552, 10.8620,
7.0403

■ 17.0592, 15.3737,
13.3045

■ 12.8060, 9.1707,
4.7856

■ 19.0430, 18.2331,
17.3822

■ 11.9040, 7.8273,
3.0646

■ 21.3322, 21.5184,
22.1314

■ 11.2307, 6.8074,
1.8333

■ 23.9389, 25.2462,
27.5805

■ 10.7653, 6.0836,
1.0404

■ 26.8748, 29.4321,
33.7564

 10.4703, 5.6188,
0.5557

 30.1506, 34.0908,
40.6843

 10.4566, 5.5984,
0.5295

 33.7769, 39.2365,
48.3885

 37.7637, 44.8827,
56.8919

 42.1205, 51.0426,
66.2166

Harmonies

Analogous

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



15.8830, 12.9223, 14.0855



15.3676, 12.9223, 9.8679



14.0107, 12.9223, 7.3798

Triad

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



15.3676, 12.9223, 9.8679



9.6448, 12.9223, 9.8469



12.2769, 12.9223, 25.7821

Complementary

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



15.3676, 12.9223, 9.8679



16.3337, 20.1471, 26.6949

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.



10.7022, 12.9223, 23.9229



15.3676, 12.9223, 9.8679



9.2715, 12.9223, 14.0548

Square

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



15.3676, 12.9223, 9.8679



10.7107, 12.9223, 7.3698



9.6403, 12.9223, 19.3226



14.0005, 12.9223, 23.9448

Rectangle

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



15.3676, 12.9223, 9.8679



12.8692, 12.9223, 6.6711



9.6403, 12.9223, 19.3226



11.7135, 12.9223, 25.5640

Sweetspot

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



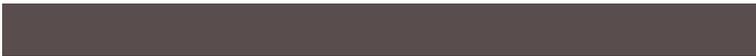
15.3679, 12.9229, 9.8682



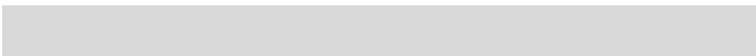
36.9769, 36.7797, 37.0844



17.6091, 13.1847, 23.6265



8.1930, 8.1050, 8.1085



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.



15.3679, 12.9229, 9.8682



25.3112, 19.9203, 13.2435



17.9519, 18.0908, 10.7295



5.0677, 5.1183, 5.2732



9.7448, 5.2239, 0.4947



0.0690, 0.0432, 0.0047

Inverse Universe

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



16.3337, 20.1471, 26.6949



27.2761, 34.6694, 47.6374



13.1854, 13.8506, 25.6455



5.1339, 5.6108, 6.4182



10.9605, 15.1914, 24.4002



0.0782, 0.1116, 0.1639

Previews

White Background



This preview shows how the XYZ color 15.3676, 12.9223, 9.8679 looks on a white 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

Black Background



This preview shows how the XYZ color 15.3676, 12.9223, 9.8679 looks on a black 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

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

XYZ 15.3676, 12.9223, 9.8679

Background



This preview shows how black text looks on a background with the XYZ color 15.3676, 12.9223, 9.8679.



This preview shows how white text looks on a background with the XYZ color 15.3676, 12.9223,

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

15.3676, 12.9223, 9.8679

Protanopia

12.4007, 13.0928, 11.3248

Deuteranopia

13.2311, 12.9950, 9.5955



Tritanopia

15.8652, 13.0100, 12.0309

Trichromacy



Original Color

15.3676, 12.9223, 9.8679

Protanomaly

13.2393, 12.8358, 10.7966

Deuteranomaly

13.9831, 12.9746, 9.7500

Tritanomaly

15.6926, 12.9409, 11.1220

Monochromacy



Original Color

15.3676, 12.9223, 9.8679

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.4105, 13.0204, 12.6329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3676, 12.9223, 9.8679 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(137, 88, 83)` looks like.

```
.text, #text, p{  
    color:rgb(137, 88, 83)  
}
```

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(137, 88, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 88, 83) }
```

Border

The CSS property to change the border of an element to XYZ 15.3676, 12.9223, 9.8679 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(137, 88, 83) }
```

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

```
.border{ border-color:rgb(137, 88, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 88, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 88, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 88, 83);  
box-shadow:4px 4px 4px 4px rgb(137, 88,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3676, 12.9223, 9.8679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 88, 83) }
```

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

```
.background{ background-color: rgb(137, 88,  
83) }
```

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](#).

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