

Converting Colors

XYZ(23.7012, 17.3734, 8.9421)

Have a look what the booklet for
XYZ(23.7012, 17.3734, 8.9421)
contains.

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Color

**XYZ(23.6993, 17.3699,
8.9411)**

Conversions

Conversions Part 1

Format	Color
Hex	B4594C
RGB	180, 89, 76
RGB Percent	71%, 35%, 30%
CMY	0.2941, 0.6510, 0.7020
CMYK	0.00, 0.51, 0.58, 0.29
HSL	8°, 41%, 50%
HSV	8°, 58%, 71%
XYZ	23.6993, 17.3699, 8.9411
YIQ	114.7270, 58.4090, 15.2490

Conversions

Conversions Part 2

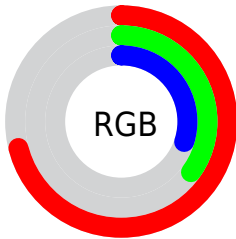
Format	Color
R_{YB}	180, 91, 76
Decimal	11819340
CIE Lab	48.72, 35.73, 24.66
CIE LCh	49, 43.411, 34.615
Yxy	17.3699, 0.4739, 0.3473
Android (android.graphics.Color)	4290009420 (0xFFB4594C)
YUV	114.7270, -19.0924, 57.2444
Hunter-Lab	41.6772, 28.5670, 16.4544

Details

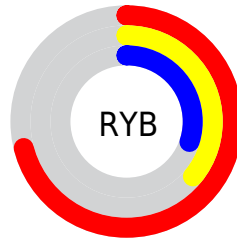
The XYZ color **23.6993, 17.3699, 8.9411** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **25.0364, 32.4672, 48.1271**, and the grayscale version is **16.2572, 17.1038, 18.6260**.

A 20% lighter version of the original color is **49.1617, 39.0557, 24.3494**, and **9.0123, 5.6929, 1.9903** is the 20% darker color. If you saturate the color by 10%, you get **21.9855, 14.8077, 5.7025**, and if you desaturate by 10%, it is **25.8694, 20.5647, 13.1958**.

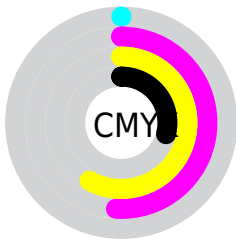
Distribution



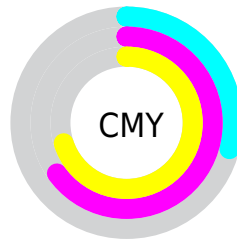
- Red (71%)
- Green (35%)
- Blue (30%)



- Red (71%)
- Yellow (36%)
- Blue (30%)



- Cyan (0%)
- Magenta (51%)
- Yellow (58%)
- Black (29%)





- Cyan (29%)
- Magenta (65%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6993, 17.3699, 8.9411 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 23.6993, 17.3699, 8.9411 by changing the saturation by 10% instead.


 23.6993, 17.3699,
8.9411


 23.6993, 17.3699,
8.9411


263.7655,
237.2951, 193.1398


 15.2342, 10.4986,
4.6065


 48.9973, 38.9607,
24.3597


 9.0713, 5.7308,
1.9636


 66.5610, 54.4489,
36.2807

 4.8452, 2.6821,
0.5328

 87.8882, 73.5782,
51.5677

 2.1906, 0.9681,
0.0000

 113.3444, 96.7331,
70.6391

 0.7378, 0.0000,
0.0000

 143.2948,
124.2978, 93.9134

 0.0000, 0.0000,
0.0000

178.1049,

156.6567, 121.8093

218.1400,
194.1944, 154.7452

■ 23.6993, 17.3699,
8.9411

■ 23.6993, 17.3699,
8.9411

■ 21.9855, 14.8077,
5.7025

■ 25.8694, 20.5647,
13.1958

■ 20.6937, 12.8332,
3.3939

■ 28.5242, 24.4276,
18.5411

■ 19.7866, 11.4001,
1.9167

■ 31.6915, 28.9947,
25.0455

■ 19.2138, 10.4512,
1.1195

■ 35.3962, 34.2986,
32.7719

■ 19.1190, 10.2967,
0.9798

■ 39.6620, 40.3699,
41.7784

■ 44.5110, 47.2377,
52.1195

■ 49.9639, 54.9292,
63.8465

■ 56.0407, 63.4706,
77.0079

■ 62.7603, 72.8868,
91.6500

Harmonies

Analogous

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



25.4447, 17.3699, 17.1918



23.6993, 17.3699, 8.9411



20.0388, 17.3699, 5.1590

Triad

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



23.6993, 17.3699, 8.9411



10.4796, 17.3699, 10.9409



17.1375, 17.3699, 50.5473

Complementary

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



23.6993, 17.3699, 8.9411



25.0364, 32.4672, 48.1271

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.



13.4211, 17.3699, 46.6838



23.6993, 17.3699, 8.9411



9.9574, 17.3699, 20.7451

Square

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



23.6993, 17.3699, 8.9411



12.5071, 17.3699, 5.9427



10.9444, 17.3699, 34.4263



21.2861, 17.3699, 43.5145

Rectangle

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



23.6993, 17.3699, 8.9411



17.2434, 17.3699, 4.3501



10.9444, 17.3699, 34.4263



15.7968, 17.3699, 50.4976

Sweetspot

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



23.6997, 17.3708, 8.9414



64.5336, 62.6937, 60.1626



28.4622, 17.6944, 38.8958



13.6435, 13.1156, 12.3645



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.6997, 17.3708, 8.9414



39.2341, 25.8948, 9.1861



29.5244, 29.0203, 10.8830



8.5792, 8.6709, 8.8740



13.3720, 7.2426, 0.6932



0.4480, 0.2823, 0.0309

Inverse Universe

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



25.0364, 32.4672, 48.1271



41.8017, 55.6551, 86.8339



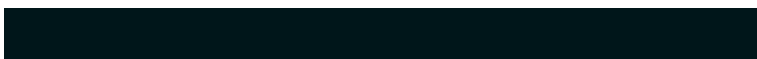
17.4488, 17.2919, 45.5979



8.6502, 9.4466, 10.8738



14.2565, 19.3134, 33.1135



0.4738, 0.6582, 1.0503

Previews

White Background



This preview shows how the XYZ color 23.6993, 17.3699, 8.9411 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 23.6993, 17.3699, 8.9411 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 23.6993, 17.3699, 8.9411

Background



This preview shows how black text looks on a background with the XYZ color 23.6993, 17.3699, 8.9411.



This preview shows how white text looks on a background with the XYZ color 23.6993, 17.3699,

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

23.6993, 17.3699, 8.9411

Protanopia

16.4231, 17.5389, 11.5366

Deuteranopia

17.8386, 17.4995, 8.5684



Tritanopia

24.4400, 17.4305, 12.4322

Trichromacy



Original Color

23.6993, 17.3699, 8.9411

Protanomaly

18.3924, 16.9523, 10.4864

Deuteranomaly

19.5704, 17.1501, 8.5822

Tritanomaly

24.2661, 17.4913, 11.1140

Monochromacy



Original Color

23.6993, 17.3699, 8.9411

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.1505, 16.7366, 14.5858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6993, 17.3699, 8.9411 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(180, 89, 76)` looks like.

```
.text, #text, p{  
    color:rgb(180, 89, 76)  
}
```

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(180, 89, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 89, 76) }
```

Border

The CSS property to change the border of an element to XYZ 23.6993, 17.3699, 8.9411 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(180, 89, 76) }
```


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

```
.border{ border-color:rgb(180, 89, 76) }
```

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

Here you see how a box with a 4 pixel rgb(180, 89, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 89, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 89, 76);  
box-shadow:4px 4px 4px 4px rgb(180, 89,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6993, 17.3699, 8.9411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 89, 76) }
```

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

```
.background{ background-color: rgb(180, 89,  
76) }
```

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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