

Converting Colors

XYZ(23.9840, 17.1054, 4.4887)

Have a look what the booklet for
XYZ(23.9840, 17.1054, 4.4887)
contains.

XYZ(23.9719, 17.1256, 4.5247)	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(23.9719, 17.1256,
4.5247)**

Conversions

Conversions Part 1

Format	Color
Hex	BA552D
RGB	186, 85, 45
RGB Percent	73%, 33%, 18%
CMY	0.2706, 0.6666, 0.8235
CMYK	0.00, 0.54, 0.76, 0.27
HSL	17°, 61%, 45%
HSV	17°, 76%, 73%
XYZ	23.9719, 17.1256, 4.5247
YIQ	110.6390, 73.0360, 8.9720

Conversions

Conversions Part 2

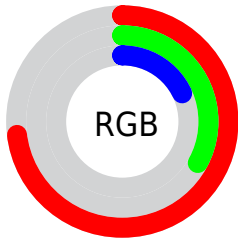
Format	Color
R_{YB}	186, 101, 45
Decimal	12211501
CIE Lab	48.42, 38.24, 41.79
CIE LCh	48, 56.648, 47.538
Yxy	17.1256, 0.5254, 0.3754
Android (android.graphics.Color)	4290401581 (0xFFBA552D)
YUV	110.6390, -32.3600, 66.0916
Hunter-Lab	41.3831, 30.9789, 22.4856

Details

The XYZ color **23.9719, 17.1256, 4.5247** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **20.2231, 24.6590, 50.1479**, and the grayscale version is **15.0813, 15.8667, 17.2789**.

A 20% lighter version of the original color is **49.2792, 38.4558, 15.1813**, and **9.1762, 5.5797, 0.5933** is the 20% darker color. If you saturate the color by 10%, you get **22.7376, 15.1094, 2.7189**, and if you desaturate by 10%, it is **25.5622, 19.6018, 7.2274**.

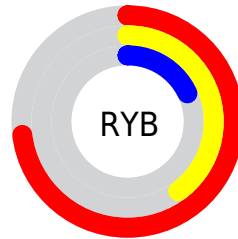
Distribution



Red (73%)

Green (33%)

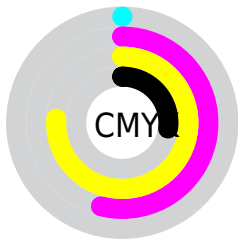
Blue (18%)



Red (73%)

Yellow (40%)

Blue (18%)

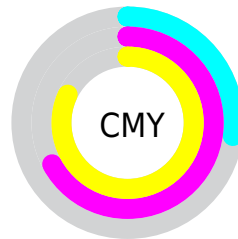


Cyan (0%)

Magenta (54%)

Yellow (76%)

Black (27%)



Cyan (27%)


Magenta (67%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9719, 17.1256, 4.5247 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 23.9719, 17.1256, 4.5247 by changing the saturation by 10% instead.


 23.9719, 17.1256,
4.5247


 23.9719, 17.1256,
4.5247


265.1215,
235.8951, 153.8902


 15.4374, 10.3241,
1.9174


 49.4393, 38.5416,
15.2029


 9.2152, 5.6144,
0.5038


 67.1030, 53.9249,
24.1108


 4.9401, 2.6120,
0.0000

 88.5404, 72.9375,
35.9560

 2.2465, 0.9327,
0.0000

 114.1170, 95.9639,
51.1570

 0.7671, 0.0000,
0.0000

 144.1980,
123.3885, 70.1324

 0.0000, 0.0000,
0.0000

 179.1489,

155.5956, 93.3007

219.3349,
192.9697, 121.0804

■ 23.9719, 17.1256,
4.5247

■ 23.9719, 17.1256,
4.5247

■ 22.7376, 15.1094,
2.7189

■ 25.5622, 19.6018,
7.2274

■ 21.8237, 13.5188,
1.6832

■ 27.5361, 22.5629,
10.9265

■ 21.5124, 12.9647,
1.3686

■ 29.9192, 26.0355,
15.7092

■ 32.7346, 30.0429,
21.6528

■ 36.0037, 34.6072,
28.8273

■ 39.7460, 39.7491,
37.2973

■ 43.9803, 45.4883,
47.1229

■ 48.7239, 51.8434,
58.3604

■ 53.9936, 58.8323,
71.0626

Harmonies

Analogous

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



27.7446, 17.1256, 11.3027



23.9719, 17.1256, 4.5247



18.5232, 17.1256, 2.3586

Triad

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



23.9719, 17.1256, 4.5247



8.3587, 17.1256, 13.1429



19.4679, 17.1256, 61.2284

Complementary

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



23.9719, 17.1256, 4.5247



20.2231, 24.6590, 50.1479

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.



14.2209, 17.1256, 62.6849



23.9719, 17.1256, 4.5247



8.5060, 17.1256, 28.6341

Square

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



23.9719, 17.1256, 4.5247



9.9784, 17.1256, 5.2562



10.4355, 17.1256, 48.6093



24.7887, 17.1256, 45.3023

Rectangle

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



23.9719, 17.1256, 4.5247



15.0050, 17.1256, 2.2530



10.4355, 17.1256, 48.6093



17.6197, 17.1256, 63.6448

Sweetspot

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



23.9723, 17.1265, 4.5250



66.8242, 64.8908, 55.7549



26.3802, 14.3928, 28.6022



14.2034, 13.5812, 11.1332



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.9723, 17.1265, 4.5250



40.0443, 25.3738, 3.5362



32.5196, 34.2212, 7.3741



9.2066, 9.4161, 9.4392



14.5291, 8.8345, 0.9395



0.5666, 0.4203, 0.0513

Inverse Universe

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



20.2231, 24.6590, 50.1479



32.6524, 39.1167, 90.0307



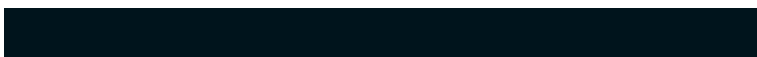
12.4987, 9.2102, 47.5732



9.0455, 9.7683, 11.4882



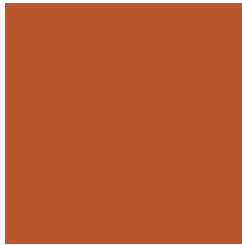
11.6926, 13.8449, 33.3091



0.4620, 0.5876, 1.1908

Previews

White Background



This preview shows how the XYZ color 23.9719, 17.1256, 4.5247 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 23.9719, 17.1256, 4.5247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

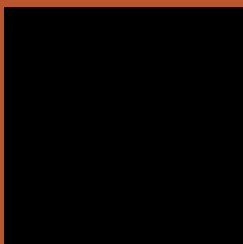
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.9719, 17.1256, 4.5247

Background



This preview shows how black text looks on a background with the XYZ color 23.9719, 17.1256, 4.5247.



This preview shows how white text looks on a background with the XYZ color 23.9719, 17.1256,

4.5247.

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

23.9719, 17.1256, 4.5247

Protanopia

15.8133, 17.3463, 6.0048

Deuteranopia

17.6028, 17.3115, 4.2474



Tritanopia

25.2874, 17.1006, 10.7720

Trichromacy



Original Color

23.9719, 17.1256, 4.5247

Protanomaly

18.0435, 16.7317, 5.4105

Deuteranomaly

19.5511, 16.9410, 4.3373

Tritanomaly

24.6481, 17.0543, 7.9539

Monochromacy



Original Color

23.9719, 17.1256, 4.5247

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.9529, 15.5941, 11.1333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9719, 17.1256, 4.5247 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(186, 85, 45)` looks like.

```
.text, #text, p{  
    color:rgb(186, 85, 45)  
}
```

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(186, 85, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 85, 45) }
```

Border

The CSS property to change the border of an element to XYZ 23.9719, 17.1256, 4.5247 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(186, 85, 45) }
```


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

```
.border{ border-color:rgb(186, 85, 45) }
```

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

Here you see how a box with a 4 pixel rgb(186, 85, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 85, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 85, 45);  
box-shadow:4px 4px 4px 4px rgb(186, 85,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9719, 17.1256, 4.5247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 85, 45) }
```

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

```
.background{ background-color: rgb(186, 85,  
45) }
```

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