

Converting Colors

XYZ(19.8486, 13.8990, 2.4467)

Have a look what the booklet for
XYZ(19.8486, 13.8990, 2.4467)
contains.

XYZ(19.9043, 13.9783, 2.4596)	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(19.9043, 13.9783,
2.4596)**

Conversions

Conversions Part 1

Format	Color
Hex	AD4B17
RGB	173, 75, 23
RGB Percent	68%, 29%, 9%
CMY	0.3216, 0.7059, 0.9098
CMYK	0.00, 0.57, 0.87, 0.32
HSL	21°, 77%, 38%
HSV	21°, 87%, 68%
XYZ	19.9043, 13.9783, 2.4596
YIQ	98.3740, 75.1000, 4.6040

Conversions

Conversions Part 2

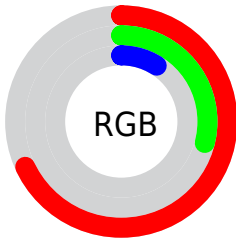
Format	Color
RYB	173, 103, 23
Decimal	11356951
CIELab	44.20, 37.43, 47.26
CIElCh	44, 60.286, 51.621
Yxy	13.9783, 0.5477, 0.3846
Android (android.graphics.Color)	4289547031 (0xFFAD4B17)
YUV	98.3740, -37.1594, 65.4470
Hunter-Lab	37.3876, 29.6012, 22.2708

Details

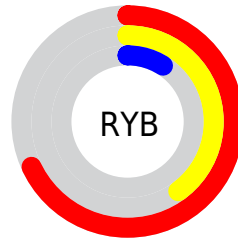
The XYZ color **19.9043, 13.9783, 2.4596** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.7328, 16.8725, 42.0150**, and the grayscale version is **11.7801, 12.3936, 13.4966**.

A 20% lighter version of the original color is **42.5622, 32.8820, 10.2345**, and **7.1367, 4.1640, 0.4276** is the 20% darker color. If you saturate the color by 10%, you get **19.0814, 12.5302, 1.5766**, and if you desaturate by 10%, it is **20.9740, 15.7444, 3.9680**.

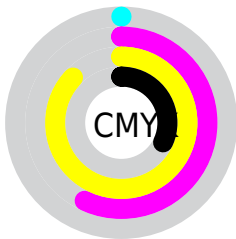
Distribution



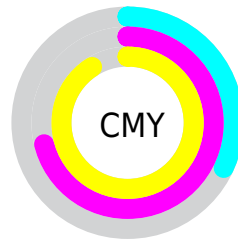
- Red (68%)
- Green (29%)
- Blue (9%)



- Red (68%)
- Yellow (40%)
- Blue (9%)



- Cyan (0%)
- Magenta (57%)
- Yellow (87%)
- Black (32%)



- Cyan (32%)
- Magenta (71%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9043, 13.9783, 2.4596 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 19.9043, 13.9783, 2.4596 by changing the saturation by 10% instead.

■ 19.9043, 13.9783,
2.4596

■ 19.9043, 13.9783,
2.4596

244.2400,
217.0958, 129.1486

■ 12.4334, 8.1056,
0.8186

■ 42.7618, 33.0505,
10.2630

■ 7.1138, 4.1626,
0.0000

■ 58.8792, 47.0188,
17.2697

■ 3.5804, 1.7649,
0.0000

■ 78.6093, 64.4544,
26.9045

■ 1.4676, 0.4652,
0.0000

■ 102.3176, 85.7417,
39.5860


■ 0.3036, 0.0000,
0.0000


■ 130.3695,
111.2651, 55.7325


■ 0.0000, 0.0000,
0.0000


■ 163.1303,


141.4090, 75.7628


 200.9654,
176.5577, 100.0953


 19.9043, 13.9783,
2.4596


 19.9043, 13.9783,
2.4596


 19.0814, 12.5302,
1.5766


 20.9740, 15.7444,
3.9680

 18.8482, 12.1138,
1.3448

 22.3183, 17.8483,
6.2188

 23.9593, 20.3094,
9.2962

 25.9163, 23.1449,
13.2729

 28.2066, 26.3707,
18.2132

■ 30.8464, 30.0017,
24.1758

■ 33.8506, 34.0517,
31.2145

■ 37.2332, 38.5343,
39.3793

■ 41.0075, 43.4621,
48.7170

Harmonies

Analogous

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



23.8875, 13.9783, 7.3905



19.9043, 13.9783, 2.4596



14.6816, 13.9783, 1.1716

Triad

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



19.9043, 13.9783, 2.4596



6.0691, 13.9783, 11.6732



16.9983, 13.9783, 55.5819

Complementary

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



19.9043, 13.9783, 2.4596



14.7328, 16.8725, 42.0150

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.



11.9817, 13.9783, 59.4204



19.9043, 13.9783, 2.4596



6.4029, 13.9783, 27.2319

Square

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



19.9043, 13.9783, 2.4596



7.2687, 13.9783, 3.9785



8.3262, 13.9783, 46.9116



21.9473, 13.9783, 38.3364

Rectangle

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



19.9043, 13.9783, 2.4596



11.5066, 13.9783, 1.2193



8.3262, 13.9783, 46.9116



15.2399, 13.9783, 58.7769

Sweetspot

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



19.9046, 13.9791, 2.4598



55.3715, 53.9042, 43.5895



21.1150, 10.9271, 19.7351



11.6742, 11.2241, 8.6500



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.9046, 13.9791, 2.4598



33.5749, 21.3318, 2.3479



27.9779, 30.1257, 5.1509



8.2239, 8.4525, 8.4114



13.8959, 8.9973, 1.0043



0.4386, 0.3543, 0.0453

Inverse Universe

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



14.7328, 16.8725, 42.0150



23.8803, 26.1465, 74.5939



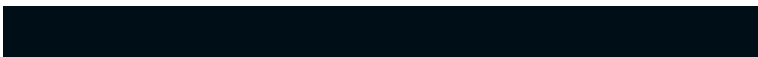
8.9531, 5.3133, 40.0884



7.9990, 8.5974, 10.1906



9.9360, 11.0059, 30.6452



0.3249, 0.4031, 0.8687

Previews

White Background



This preview shows how the XYZ color 19.9043, 13.9783, 2.4596 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 19.9043, 13.9783, 2.4596 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 19.9043, 13.9783, 2.4596

Background



This preview shows how black text looks on a background with the XYZ color 19.9043, 13.9783, 2.4596.



This preview shows how white text looks on a background with the XYZ color 19.9043, 13.9783,

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

19.9043, 13.9783, 2.4596

Protanopia

12.7701, 14.0536, 3.3359

Deuteranopia

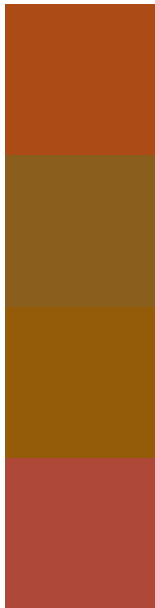
14.2300, 14.1009, 1.9717



Tritanopia

21.1394, 14.0023, 8.2452

Trichromacy



Original Color

19.9043, 13.9783, 2.4596

Protanomaly

14.6935, 13.4925, 2.9285

Deuteranomaly

15.9977, 13.7956, 2.0494

Tritanomaly

20.4867, 13.9189, 5.3482

Monochromacy



Original Color

19.9043, 13.9783, 2.4596

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.2509, 12.1272, 7.6036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9043, 13.9783, 2.4596 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(173, 75, 23)` looks like.

```
.text, #text, p{  
    color:rgb(173, 75, 23)  
}
```

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(173, 75, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 75, 23) }
```

Border

The CSS property to change the border of an element to XYZ 19.9043, 13.9783, 2.4596 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(173, 75, 23) }
```


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

```
.border{ border-color:rgb(173, 75, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 75, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 75, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 75, 23);  
box-shadow:4px 4px 4px 4px rgb(173, 75,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9043, 13.9783, 2.4596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 75, 23) }
```

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

```
.background{ background-color: rgb(173, 75,  
23) }
```

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