

Converting Colors

XYZ(41.1613, 22.4747, 3.0005)

Have a look what the booklet for
XYZ(41.1613, 22.4747, 3.0005)
contains.

XYZ(41.1634, 22.4851, 2.9811)	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(41.1634, 22.4851,
2.9811)**

Conversions

Conversions Part 1

Format	Color
Hex	FC2B17
RGB	252, 43, 23
RGB Percent	99%, 17%, 9%
CMY	0.0118, 0.8313, 0.9098
CMYK	0.00, 0.83, 0.91, 0.01
HSL	5°, 97%, 54%
HSV	5°, 91%, 99%
XYZ	41.1634, 22.4851, 2.9811
YIQ	103.2110, 130.9840, 38.0880

Conversions

Conversions Part 2

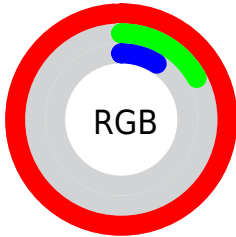
Format	Color
RYB	252, 45, 23
Decimal	16526103
CIELab	54.54, 74.25, 61.34
CIELCh	55, 96.308, 39.560
Yxy	22.4851, 0.6178, 0.3375
Android (android.graphics.Color)	4294716183 (0xFFFC2B17)
YUV	103.2110, -39.5440, 130.4880
Hunter-Lab	47.4185, 71.9714, 29.4655

Details

The XYZ color **41.1634, 22.4851, 2.9811** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **46.7742, 64.9109, 102.1584**, and the grayscale version is **13.0280, 13.7065, 14.9264**.

A 20% lighter version of the original color is **48.1605, 33.1233, 10.3337**, and **20.0076, 10.3143, 0.9363** is the 20% darker color. If you saturate the color by 10%, you get **40.4320, 21.2703, 1.9746**, and if you desaturate by 10%, it is **42.6315, 24.8090, 5.3598**.

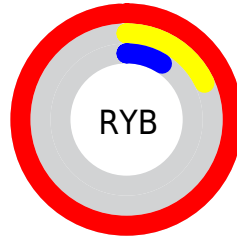
Distribution



Red (99%)

Green (17%)

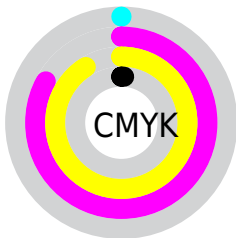
Blue (9%)



Red (99%)

Yellow (18%)

Blue (9%)

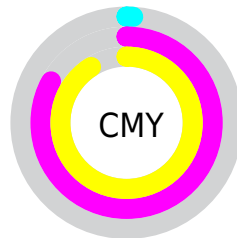


Cyan (0%)

Magenta (83%)

Yellow (91%)

Black (1%)



Cyan (1%)


Magenta (83%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.1634, 22.4851, 2.9811 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 41.1634, 22.4851, 2.9811 by changing the saturation by 10% instead.


 41.1634, 22.4851,
2.9811


 41.1634, 22.4851,
2.9811

342.0540,
265.0692, 136.1195


 28.6350, 14.2138,
1.0850


 76.2050, 47.5465,
11.5818

 18.9478, 8.2695,
0.0000


 99.4490, 65.1053,
19.1234


 11.7363, 4.2679,
0.0000


 126.9955, 86.5288,
29.3840

 6.6353, 1.8245,
0.0000

 159.2099,
112.2012, 42.7820

 3.2794, 0.5024,
0.0000

 196.4576,
142.5071, 59.7360


 1.3032, 0.0000,
0.0000

 239.1040,


 0.1856, 0.0000,


177.8308, 80.6646


0.0000


 287.5143,
218.5567, 105.9863


 0.0000, 0.0000,
0.0000


 41.1634, 22.4851,
2.9811


 41.1634, 22.4851,
2.9811

 40.4320, 21.2703,
1.9746

 42.6315, 24.8090,
5.3598

 44.9341, 28.3290,
9.4730

 48.1731, 33.1796,
15.5698

 52.4352, 39.4759,
23.8587

 57.7972, 47.3209,
34.5215

64.3284, 56.8078,
47.7214

72.0925, 68.0226,
63.6068

81.1485, 81.0455,
82.3148

91.5517, 95.9513,
103.9733

Harmonies

Analogous

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



48.3050, 22.4851, 16.0373



41.1634, 22.4851, 2.9811



29.2772, 22.4851, 0.2647

Triad

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



41.1634, 22.4851, 2.9811



7.4309, 22.4851, 9.2701



24.9250, 22.4851, 138.2844

Complementary

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



41.1634, 22.4851, 2.9811



46.7742, 64.9109, 102.1584

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.



15.0348, 22.4851, 129.4283



41.1634, 22.4851, 2.9811



6.9489, 22.4851, 35.4686

Square

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



41.1634, 22.4851, 2.9811



10.8709, 22.4851, 1.4465



9.2266, 22.4851, 83.3495



37.0907, 22.4851, 102.2707

Rectangle

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



41.1634, 22.4851, 2.9811



21.5277, 22.4851, 0.0000



9.2266, 22.4851, 83.3495



21.2159, 22.4851, 140.8568

Sweetspot

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



41.1639, 22.4865, 2.9814



69.0058, 62.5854, 54.9812



55.1469, 27.1865, 79.3687



14.2139, 12.5912, 10.6339



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



41.1639, 22.4865, 2.9814



41.5326, 21.8452, 2.0275



52.2857, 44.7302, 6.6887



17.3666, 17.4690, 17.9189



21.1047, 11.1660, 1.0429



1.9949, 1.1146, 0.1100

Inverse Universe

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



46.7742, 64.9109, 102.1584



47.1055, 65.3310, 104.7352



24.4515, 20.2656, 94.7175



17.6284, 19.3337, 22.1879



23.9437, 33.2430, 53.1281



2.2546, 3.1528, 4.9329

Previews

White Background



This preview shows how the XYZ color 41.1634, 22.4851, 2.9811 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 41.1634, 22.4851, 2.9811 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 41.1634, 22.4851, 2.9811

Background



This preview shows how black text looks on a background with the XYZ color 41.1634, 22.4851, 2.9811.



This preview shows how white text looks on a background with the XYZ color 41.1634, 22.4851,

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

41.1634, 22.4851, 2.9811

Protanopia

20.5850, 22.6101, 5.5647

Deuteranopia

22.7247, 22.4146, 3.1287



Tritanopia

41.3040, 22.4278, 4.0715

Trichromacy



Original Color

41.1634, 22.4851, 2.9811

Protanomaly

24.7879, 19.3653, 4.1005

Deuteranomaly

27.1620, 20.0723, 2.6725

Tritanomaly

41.2474, 22.4612, 3.6003

Monochromacy



Original Color

41.1634, 22.4851, 2.9811

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

18.0831, 13.5474, 8.1404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1634, 22.4851, 2.9811 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(252, 43, 23)` looks like.

```
.text, #text, p{  
    color:rgb(252, 43, 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(252, 43, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 43, 23) }
```

Border

The CSS property to change the border of an element to XYZ 41.1634, 22.4851, 2.9811 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(252, 43, 23) }
```


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

```
.border{ border-color:rgb(252, 43, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 43, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 43, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 43, 23);  
box-shadow:4px 4px 4px 4px rgb(252, 43,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1634, 22.4851, 2.9811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 43, 23) }
```

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

```
.background{ background-color: rgb(252, 43,  
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