

Converting Colors

XYZ(21.9958, 13.4697, 4.1300)

Have a look what the booklet for
XYZ(21.9958, 13.4697, 4.1300)
contains.

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Color

**XYZ(21.9838, 13.4458,
4.1259)**

Conversions

Conversions Part 1

Format	Color
Hex	B9392F
RGB	185, 57, 47
RGB Percent	73%, 22%, 18%
CMY	0.2745, 0.7764, 0.8157
CMYK	0.00, 0.69, 0.75, 0.27
HSL	4°, 59%, 45%
HSV	4°, 75%, 73%
XYZ	21.9838, 13.4458, 4.1259
YIQ	94.1320, 79.4980, 24.0260

Conversions

Conversions Part 2

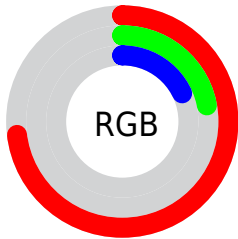
Format	Color
R_{YB}	185, 58, 47
Decimal	12138799
CIE Lab	43.43, 50.77, 35.28
CIE LCh	43, 61.825, 34.801
Yxy	13.4458, 0.5558, 0.3399
Android (android.graphics.Color)	4290328879 (0xFFB9392F)
YUV	94.1320, -23.2361, 79.6912
Hunter-Lab	36.6685, 42.8458, 18.9967

Details

The XYZ color **21.9838, 13.4458, 4.1259** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **25.2574, 34.7634, 51.2774**, and the grayscale version is **10.7114, 11.2693, 12.2722**.

A 20% lighter version of the original color is **46.1723, 32.1706, 14.3657**, and **8.3177, 4.2873, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **20.9768, 11.9080, 2.3231**, and if you desaturate by 10%, it is **23.4361, 15.6216, 6.8574**.

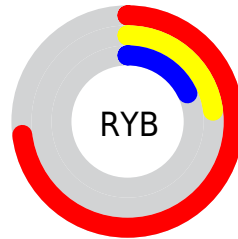
Distribution



Red (73%)

Green (22%)

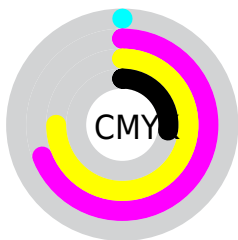
Blue (18%)



Red (73%)

Yellow (23%)

Blue (18%)

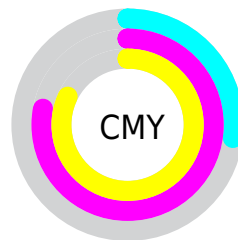


Cyan (0%)

Magenta (69%)

Yellow (75%)

Black (27%)



Cyan (27%)

Magenta (78%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9838, 13.4458, 4.1259 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 21.9838, 13.4458, 4.1259 by changing the saturation by 10% instead.

■ 21.9838, 13.4458,
4.1259

■ 21.9838, 13.4458,
4.1259

255.0956,
213.7553, 149.6146

■ 13.9615, 7.7362,
1.6947

■ 46.1983, 32.1024,
14.2991

■ 8.1754, 3.9266,
0.3571

■ 63.1212, 45.8182,
22.8781

■ 4.2602, 1.6326,
0.0000

■ 83.7417, 62.9716,
34.3435

■ 1.8503, 0.3794,
0.0000

■ 108.4252, 83.9469,
49.1138

■ 0.5477, 0.0000,
0.0000

■ 137.5369,
109.1285, 67.6075

■ 0.0000, 0.0000,
0.0000

■ 171.4424,

138.9009, 90.2432

210.5068,
173.6483, 117.4394

■ 21.9838, 13.4458,
4.1259

■ 21.9838, 13.4458,
4.1259

■ 20.9768, 11.9080,
2.3231

■ 23.4361, 15.6216,
6.8574

■ 20.3626, 10.9368,
1.3250

■ 25.3766, 18.4922,
10.6194

■ 20.1568, 10.6128,
0.9861

■ 27.8443, 22.1109,
15.5011

■ 30.8737, 26.5249,
21.5818

■ 34.4967, 31.7778,
28.9336

■ 38.7425, 37.9099,
37.6231

■ 43.6386, 44.9589,
47.7120

■ 49.2107, 52.9602,
59.2583

■ 55.4831, 61.9475,
72.3166

Harmonies

Analogous

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



24.3966, 13.4458, 12.5324



21.9838, 13.4458, 4.1259



17.1385, 13.4458, 1.3702

Triad

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



21.9838, 13.4458, 4.1259



6.1023, 13.4458, 6.0072



13.5700, 13.4458, 60.1104

Complementary

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



21.9838, 13.4458, 4.1259



25.2574, 34.7634, 51.2774

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.



9.2309, 13.4458, 54.0945



21.9838, 13.4458, 4.1259



5.5987, 13.4458, 16.9719

Square

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



21.9838, 13.4458, 4.1259



8.1927, 13.4458, 1.8801



6.5878, 13.4458, 35.5718



18.8219, 13.4458, 48.9650

Rectangle

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



21.9838, 13.4458, 4.1259



13.6369, 13.4458, 0.9302



6.5878, 13.4458, 35.5718



11.9595, 13.4458, 60.0692

Sweetspot

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



21.9841, 13.4466, 4.1261



63.3846, 59.2296, 55.0863



28.8406, 15.4739, 42.4370



13.2518, 12.1719, 11.0338



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.9841, 13.4466, 4.1261



36.7439, 20.0305, 2.7922



27.8795, 25.2373, 6.0912



9.0555, 9.1140, 9.3888



13.7463, 7.2690, 0.6785



0.5023, 0.2917, 0.0298

Inverse Universe

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



25.2574, 34.7634, 51.2774



42.7297, 59.8075, 91.4965



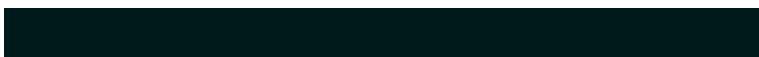
15.1660, 14.5808, 47.9137



9.2094, 10.0961, 11.5428



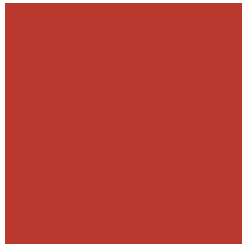
15.9767, 22.4130, 34.7372



0.5799, 0.8236, 1.2301

Previews

White Background



This preview shows how the XYZ color 21.9838, 13.4458, 4.1259 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 21.9838, 13.4458, 4.1259 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 21.9838, 13.4458, 4.1259

Background



This preview shows how black text looks on a background with the XYZ color 21.9838, 13.4458, 4.1259.



This preview shows how white text looks on a background with the XYZ color 21.9838, 13.4458,

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

21.9838, 13.4458, 4.1259

Protanopia

12.5298, 13.5590, 6.5142

Deuteranopia

13.7708, 13.5424, 3.7219



Tritanopia

22.1375, 13.3522, 5.4134

Trichromacy



Original Color

21.9838, 13.4458, 4.1259

Protanomaly

14.7138, 12.4400, 5.4965

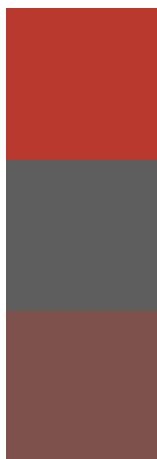
Deuteranomaly

15.8879, 12.7362, 3.7188

Tritanomaly

22.0876, 13.4090, 4.9141

Monochromacy



Original Color

21.9838, 13.4458, 4.1259

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

13.0344, 10.9327, 8.4444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9838, 13.4458, 4.1259 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(185, 57, 47)` looks like.

```
.text, #text, p{  
    color:rgb(185, 57, 47)  
}
```

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(185, 57, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 57, 47) }
```

Border

The CSS property to change the border of an element to XYZ 21.9838, 13.4458, 4.1259 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(185, 57, 47) }
```


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

```
.border{ border-color:rgb(185, 57, 47) }
```

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

Here you see how a box with a 4 pixel rgb(185, 57, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 57, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 57, 47);  
box-shadow:4px 4px 4px 4px rgb(185, 57,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9838, 13.4458, 4.1259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 57, 47) }
```

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

```
.background{ background-color: rgb(185, 57,  
47) }
```

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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