

Converting Colors

XYZ(21.2249, 13.5952, 4.4198)

Have a look what the booklet for
XYZ(21.2249, 13.5952, 4.4198)
contains.

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Color

**XYZ(21.2102, 13.5918,
4.4113)**

Conversions

Conversions Part 1

Format	Color
Hex	B44031
RGB	180, 64, 49
RGB Percent	71%, 25%, 19%
CMY	0.2941, 0.7490, 0.8078
CMYK	0.00, 0.64, 0.73, 0.29
HSL	7°, 57%, 45%
HSV	7°, 73%, 71%
XYZ	21.2102, 13.5918, 4.4113
YIQ	96.9740, 73.9510, 19.9270

Conversions

Conversions Part 2

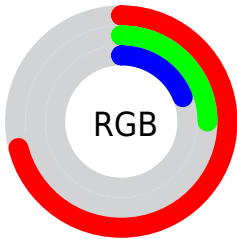
Format	Color
R_{YB}	180, 66, 49
Decimal	11812913
CIE _{Lab}	43.64, 46.20, 34.14
CIE _{LCh}	44, 57.445, 36.463
Yxy	13.5918, 0.5409, 0.3466
Android (android.graphics.Color)	4290002993 (0xFFB44031)
YUV	96.9740, -23.6512, 72.8138
Hunter-Lab	36.8671, 38.1765, 18.7126

Details

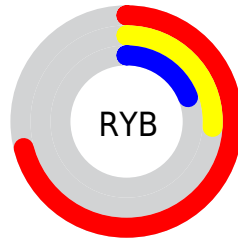
The XYZ color **21.2102, 13.5918, 4.4113** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **22.9589, 30.8563, 47.9257**, and the grayscale version is **11.4000, 11.9937, 13.0611**.

A 20% lighter version of the original color is **45.0906, 32.4444, 14.9522**, and **7.7676, 4.0018, 0.4779** is the 20% darker color. If you saturate the color by 10%, you get **20.1294, 11.9217, 2.5366**, and if you desaturate by 10%, it is **22.7001, 15.8378, 7.1709**.

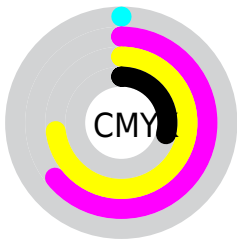
Distribution



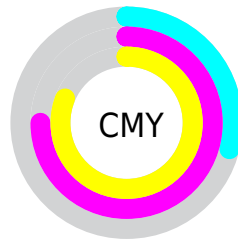
- Red (71%)
- Green (25%)
- Blue (19%)



- Red (71%)
- Yellow (26%)
- Blue (19%)



- Cyan (0%)
- Magenta (64%)
- Yellow (73%)
- Black (29%)





- Cyan (29%)
- Magenta (75%)
- Yellow (81%)
- Black (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2102, 13.5918, 4.4113 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 21.2102, 13.5918, 4.4113 by changing the saturation by 10% instead.


 21.2102, 13.5918,
4.4113


 21.2102, 13.5918,
4.4113


251.1041,
214.6764, 152.6928


 13.3911, 7.8373,
1.8536


 44.9257, 32.3630,
14.9478


 7.7772, 3.9910,
0.4630

 61.5529, 46.1484,
23.7636

 4.0033, 1.6685,
0.0000

 81.8467, 63.3797,
35.5025

 1.7040, 0.4032,
0.0000

 106.1726, 84.4411,
50.5831

 0.4588, 0.0000,
0.0000

 134.8960,
109.7171, 69.4239

 0.0000, 0.0000,
0.0000

 168.3821,

139.5920, 92.4434

206.9964,
174.4503, 120.0602

■ 21.2102, 13.5918,
4.4113

■ 21.2102, 13.5918,
4.4113

■ 20.1294, 11.9217,
2.5366

■ 22.7001, 15.8378,
7.1709

■ 19.4150, 10.7724,
1.4368

■ 24.6343, 18.7035,
10.9062

■ 19.0836, 10.2257,
0.9679

■ 27.0450, 22.2314,
15.6978

■ 29.9613, 26.4593,
21.6174

■ 33.4100, 31.4222,
28.7305

■ 37.4158, 37.1529,
37.0977

■ 42.0020, 43.6820,
46.7754

■ 47.1905, 51.0386,
57.8166

■ 53.0021, 59.2501,
70.2713

Harmonies

Analogous

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



23.5759, 13.5918, 12.1794



21.2102, 13.5918, 4.4113



16.6948, 13.5918, 1.7182

Triad

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



21.2102, 13.5918, 4.4113



6.4944, 13.5918, 6.9398



13.9181, 13.5918, 55.6550

Complementary

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



21.2102, 13.5918, 4.4113



22.9589, 30.8563, 47.9257

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.



9.7596, 13.5918, 51.1719



21.2102, 13.5918, 4.4113



6.0827, 13.5918, 17.7700

Square

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



21.2102, 13.5918, 4.4113



8.4251, 13.5918, 2.4719



7.1304, 13.5918, 34.9743



18.7791, 13.5918, 45.0502

Rectangle

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



21.2102, 13.5918, 4.4113



13.4603, 13.5918, 1.2816



7.1304, 13.5918, 34.9743



12.3916, 13.5918, 55.9223

Sweetspot

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



21.2105, 13.5926, 4.4115



60.8511, 57.3648, 52.6585



26.8865, 14.6863, 37.9284



12.7699, 11.8499, 10.5887



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.



21.2105, 13.5926, 4.4115



35.6833, 20.3175, 3.3028



27.0439, 25.2593, 6.3560



8.5722, 8.6569, 8.8717



13.3456, 7.1897, 0.6844



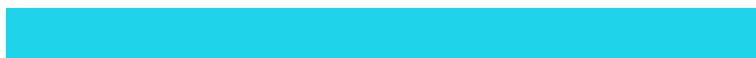
0.4450, 0.2765, 0.0299

Inverse Universe

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



22.9589, 30.8563, 47.9257



38.8367, 52.9566, 86.4693



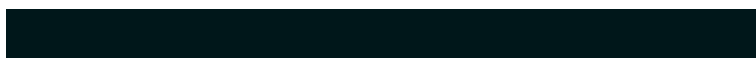
14.1975, 13.3336, 45.0053



8.6579, 9.4620, 10.8764



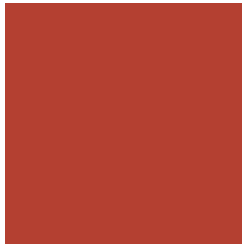
14.4800, 19.7604, 33.1879



0.4790, 0.6686, 1.0520

Previews

White Background



This preview shows how the XYZ color 21.2102, 13.5918, 4.4113 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 21.2102, 13.5918, 4.4113 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 21.2102, 13.5918, 4.4113

Background



This preview shows how black text looks on a background with the XYZ color 21.2102, 13.5918, 4.4113.



This preview shows how white text looks on a background with the XYZ color 21.2102, 13.5918,

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

21.2102, 13.5918, 4.4113

Protanopia

12.7592, 13.8258, 6.5536

Deuteranopia

13.9330, 13.7580, 4.1117



Tritanopia

21.7328, 13.6507, 6.4904

Trichromacy



Original Color

21.2102, 13.5918, 4.4113

Protanomaly

14.7921, 12.8434, 5.5703

Deuteranomaly

16.0142, 13.1409, 4.1750

Tritanomaly

21.6230, 13.6945, 5.6413

Monochromacy



Original Color

21.2102, 13.5918, 4.4113

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.4489, 11.5882, 9.1173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2102, 13.5918, 4.4113 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, 64, 49)` looks like.

```
.text, #text, p{  
    color:rgb(180, 64, 49)  
}
```

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, 64, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 64, 49) }
```

Border

The CSS property to change the border of an element to XYZ 21.2102, 13.5918, 4.4113 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, 64, 49) }
```


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

```
.border{ border-color:rgb(180, 64, 49) }
```

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

Here you see how a box with a 4 pixel rgb(180, 64, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 64, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 64, 49);  
box-shadow:4px 4px 4px 4px rgb(180, 64,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2102, 13.5918, 4.4113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 64, 49) }
```

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

```
.background{ background-color: rgb(180, 64,  
49) }
```

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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