

Converting Colors

XYZ(20.9884, 14.4271, 8.3190)

Have a look what the booklet for
XYZ(20.9884, 14.4271, 8.3190)
contains.

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Color

**XYZ(21.0197, 14.4244,
8.3329)**

Conversions

Conversions Part 1

Format	Color
Hex	AD4B4B
RGB	173, 75, 75
RGB Percent	68%, 29%, 29%
CMY	0.3216, 0.7059, 0.7059
CMYK	0.00, 0.57, 0.57, 0.32
HSL	0°, 40%, 49%
HSV	0°, 57%, 68%
XYZ	21.0197, 14.4244, 8.3329
YIQ	104.3020, 58.4080, 20.7760

Conversions

Conversions Part 2

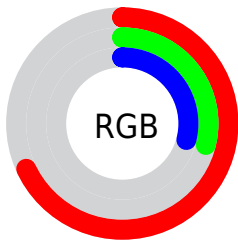
Format	Color
RYB	173, 75, 75
Decimal	11357003
CIELab	44.84, 40.14, 19.98
CIElCh	45, 44.839, 26.455
Yxy	14.4244, 0.4802, 0.3295
Android (android.graphics.Color)	4289547083 (0xFFAD4B4B)
YUV	104.3020, -14.4459, 60.2481
Hunter-Lab	37.9795, 32.3266, 13.5771

Details

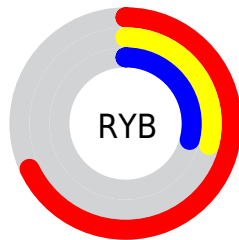
The XYZ color **21.0197, 14.4244, 8.3329** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **25.3870, 34.3980, 44.8366**, and the grayscale version is **13.2661, 13.9570, 15.1992**.

A 20% lighter version of the original color is **44.5062, 33.7898, 23.2451**, and **7.7367, 4.3858, 1.7351** is the 20% darker color. If you saturate the color by 10%, you get **19.4880, 12.1833, 5.2876**, and if you desaturate by 10%, it is **23.0321, 17.3694, 12.3329**.

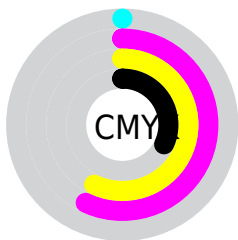
Distribution



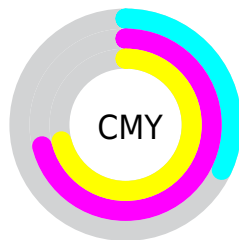
- Red (68%)
- Green (29%)
- Blue (29%)



- Red (68%)
- Yellow (29%)
- Blue (29%)



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





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0197, 14.4244, 8.3329 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 21.0197, 14.4244, 8.3329 by changing the saturation by 10% instead.

 21.0197, 14.4244,
8.3329


 21.0197, 14.4244,
8.3329


250.1129,
219.8553, 188.3513


 13.2509, 8.4164,
4.2179


 44.6113, 33.8402,
23.1654


 7.6798, 4.3625,
1.7456


 61.1650, 48.0168,
34.7199


 3.9408, 1.8784,
0.3917

 81.3775, 65.6851,
49.5914

 1.6687, 0.5353,
0.0000

 105.6145, 87.2294,
68.1983

 0.4366, 0.0000,
0.0000

 134.2412,
113.0342, 90.9592

 0.0000, 0.0000,
0.0000

167.6229,

143.4839, 118.2926

206.1250,
178.9628, 150.6172

■ 21.0197, 14.4244,
8.3329

■ 21.0197, 14.4244,
8.3329

■ 19.4880, 12.1833,
5.2876

■ 23.0321, 17.3694,
12.3329

■ 18.3960, 10.5854,
3.1170

■ 25.5596, 21.0679,
17.3574

■ 17.6978, 9.5636,
1.7291

■ 28.6347, 25.5676,
23.4705

■ 17.3284, 9.0231,
0.9949

■ 32.2868, 30.9117,
30.7308

■ 17.2337, 8.8844,
0.8066

■ 36.5434, 37.1403,
39.1928

■ 41.4301, 44.2910,
48.9075

■ 46.9711, 52.3989,
59.9228

■ 53.1892, 61.4977,
72.2845

■ 60.1063, 71.6193,
86.0356

Harmonies

Analogous

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



21.9958, 14.4244, 16.9844



21.0197, 14.4244, 8.3329



17.9752, 14.4244, 4.1891

Triad

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



21.0197, 14.4244, 8.3329



8.6439, 14.4244, 6.9976



13.2797, 14.4244, 45.6070

Complementary

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



21.0197, 14.4244, 8.3329



25.3870, 34.3980, 44.8366

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.



10.1792, 14.4244, 39.1849



21.0197, 14.4244, 8.3329



7.8202, 14.4244, 14.4929

Square

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



21.0197, 14.4244, 8.3329



10.8094, 14.4244, 3.6939



8.3281, 14.4244, 26.4964



17.0879, 14.4244, 41.5209

Rectangle

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



21.0197, 14.4244, 8.3329



15.4240, 14.4244, 3.1346



8.3281, 14.4244, 26.4964



12.1278, 14.4244, 44.5534

Sweetspot

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



21.0201, 14.4252, 8.3332



57.3668, 54.6922, 54.1280



27.2925, 16.9336, 41.3652



12.1789, 11.4641, 11.1903



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.



21.0201, 14.4252, 8.3332



34.3336, 20.9877, 8.3396



25.7113, 23.8076, 9.8969



8.0053, 8.0154, 8.3386



12.6607, 6.5270, 0.5925



0.3522, 0.1816, 0.0165

Inverse Universe

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



25.3870, 34.3980, 44.8366



42.9281, 60.2960, 80.1815



17.6522, 18.9284, 42.2583



8.2363, 9.0720, 10.2697



16.5183, 24.1705, 32.8393



0.4595, 0.6724, 0.9136

Previews

White Background



This preview shows how the XYZ color 21.0197, 14.4244, 8.3329 looks on a white background.

Color Contrast Check

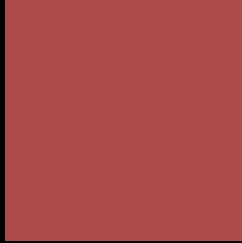
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0197, 14.4244, 8.3329 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 21.0197, 14.4244, 8.3329

Background



This preview shows how black text looks on a background with the XYZ color 21.0197, 14.4244, 8.3329.



This preview shows how white text looks on a background with the XYZ color 21.0197, 14.4244,

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

21.0197, 14.4244, 8.3329

Protanopia

13.7673, 14.5400, 11.5321

Deuteranopia

14.7589, 14.5341, 7.8218



Tritanopia

21.0936, 14.3463, 9.0545

Trichromacy



Original Color

21.0197, 14.4244, 8.3329

Protanomaly

15.6841, 13.9754, 10.2584

Deuteranomaly

16.4984, 14.0515, 7.9735

Tritanomaly

21.0575, 14.3319, 8.8642

Monochromacy



Original Color

21.0197, 14.4244, 8.3329

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.9434, 13.2861, 12.1328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0197, 14.4244, 8.3329 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, 75)` looks like.

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

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, 75) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 21.0197, 14.4244, 8.3329 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, 75) }
```


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

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

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, 75)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 21.0197, 14.4244, 8.3329 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, 75) }
```

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

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

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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