

Converting Colors

XYZ(20.0363, 14.1413, 5.1084)

Have a look what the booklet for
XYZ(20.0363, 14.1413, 5.1084)
contains.

XYZ(20.1143, 14.2320, 5.1769)	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(20.1143, 14.2320,
5.1769)**

Conversions

Conversions Part 1

Format	Color
Hex	AB4D36
RGB	171, 77, 54
RGB Percent	67%, 30%, 21%
CMY	0.3294, 0.6980, 0.7882
CMYK	0.00, 0.55, 0.68, 0.33
HSL	12°, 52%, 44%
HSV	12°, 68%, 67%
XYZ	20.1143, 14.2320, 5.1769
YIQ	102.4840, 63.4070, 12.7750

Conversions

Conversions Part 2

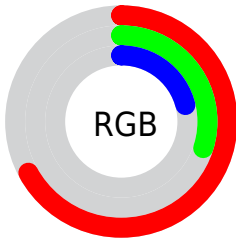
Format	Color
RYB	171, 83, 54
Decimal	11226422
CIELab	44.56, 36.91, 31.97
CIELCh	45, 48.828, 40.894
Yxy	14.2320, 0.5089, 0.3601
Android (android.graphics.Color)	4289416502 (0xFFAB4D36)
YUV	102.4840, -23.9026, 60.0885
Hunter-Lab	37.7253, 29.1529, 18.2716

Details

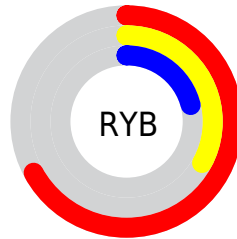
The XYZ color **20.1143, 14.2320, 5.1769** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.4610, 24.9026, 42.3088**, and the grayscale version is **12.8057, 13.4726, 14.6717**.

A 20% lighter version of the original color is **43.0724, 33.3866, 16.7445**, and **7.2342, 4.2714, 0.7303** is the 20% darker color. If you saturate the color by 10%, you get **18.9192, 12.3756, 3.1337**, and if you desaturate by 10%, it is **21.6542, 16.5525, 8.0318**.

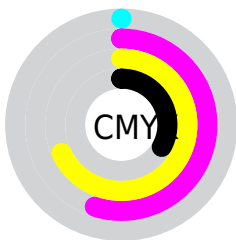
Distribution



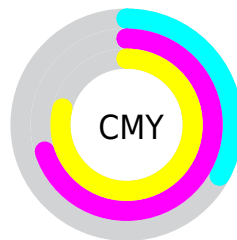
- Red (67%)
- Green (30%)
- Blue (21%)



- Red (67%)
- Yellow (33%)
- Blue (21%)



- Cyan (0%)
- Magenta (55%)
- Yellow (68%)
- Black (33%)





- Cyan (33%)
- Magenta (70%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1143, 14.2320, 5.1769 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 20.1143, 14.2320, 5.1769 by changing the saturation by 10% instead.


 20.1143, 14.2320,
5.1769


 20.1143, 14.2320,
5.1769


245.3550,
218.6694, 160.5248


 12.5869, 8.2822,
2.2909


 43.1112, 33.5001,
16.6441


 7.2197, 4.2760,
0.7261


 59.3114, 47.5872,
26.0623


 3.6475, 1.8291,
0.0000

 79.1333, 65.1555,
38.4950

 1.5047, 0.5052,
0.0000

 102.9422, 86.5895,
54.3608

 0.3290, 0.0000,
0.0000

 131.1035,
112.2735, 74.0781

 0.0000, 0.0000,
0.0000

 163.9825,

142.5918, 98.0655

201.9445,
177.9290, 126.7415

■ 20.1143, 14.2320,
5.1769

■ 20.1143, 14.2320,
5.1769

■ 18.9192, 12.3756,
3.1337

■ 21.6542, 16.5525,
8.0318

■ 18.0396, 10.9489,
1.8151

■ 23.5631, 19.3635,
11.7717

■ 17.4339, 9.9130,
1.0721

■ 25.8640, 22.6924,
16.4626

■ 17.3558, 9.7805,
0.9731

■ 28.5775, 26.5636,
22.1638

■ 31.7231, 31.0001,
28.9299

■ 35.3187, 36.0235,
36.8114

■ 39.3813, 41.6543,
45.8558

■ 43.9270, 47.9118,
56.1077

■ 48.9712, 54.8148,
67.6094

Harmonies

Analogous

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



22.4335, 14.2320, 11.7401



20.1143, 14.2320, 5.1769



16.1667, 14.2320, 2.6945

Triad

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



20.1143, 14.2320, 5.1769



7.5477, 14.2320, 9.4145



15.0130, 14.2320, 48.1449

Complementary

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



20.1143, 14.2320, 5.1769



19.4610, 24.9026, 42.3088

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.



11.1917, 14.2320, 46.4498



20.1143, 14.2320, 5.1769



7.3587, 14.2320, 19.9785

Square

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



20.1143, 14.2320, 5.1769



9.1416, 14.2320, 4.1878



8.5624, 14.2320, 34.5287



19.1296, 14.2320, 38.4214

Rectangle

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



20.1143, 14.2320, 5.1769



13.4090, 14.2320, 2.3392



8.5624, 14.2320, 34.5287



13.6459, 14.2320, 48.9782

Sweetspot

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



20.1146, 14.2328, 5.1771



55.0702, 53.0679, 48.0329



23.5825, 13.4838, 30.0241



11.9417, 11.3563, 9.9809



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.



20.1146, 14.2328, 5.1771



33.0242, 20.7867, 4.2732



25.9785, 25.9606, 7.1318



8.1280, 8.2609, 8.3795



13.1144, 7.4344, 0.7438



0.4012, 0.2795, 0.0328

Inverse Universe

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



19.4610, 24.9026, 42.3088



31.6130, 40.8673, 75.2239



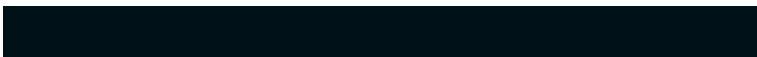
12.6174, 11.2153, 40.0276



8.1005, 8.8004, 10.2244



12.3626, 15.8591, 31.4540



0.3776, 0.5086, 0.8863

Previews

White Background



This preview shows how the XYZ color 20.1143, 14.2320, 5.1769 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 20.1143, 14.2320, 5.1769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

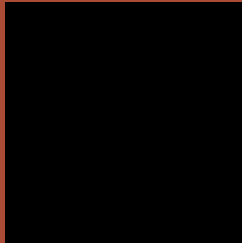
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1143, 14.2320, 5.1769

Background



This preview shows how black text looks on a background with the XYZ color 20.1143, 14.2320, 5.1769.



This preview shows how white text looks on a background with the XYZ color 20.1143, 14.2320,

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

20.1143, 14.2320, 5.1769

Protanopia

13.2819, 14.3912, 6.9282

Deuteranopia

14.5681, 14.3544, 4.9086



Tritanopia

20.8733, 14.2327, 9.0442

Trichromacy



Original Color

20.1143, 14.2320, 5.1769

Protanomaly

15.0612, 13.7449, 6.1342

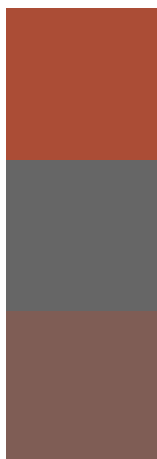
Deuteranomaly

16.2787, 14.0043, 4.9771

Tritanomaly

20.6348, 14.2450, 7.4563

Monochromacy



Original Color

20.1143, 14.2320, 5.1769

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.3064, 12.9966, 10.3489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1143, 14.2320, 5.1769 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(171, 77, 54)` looks like.

```
.text, #text, p{  
    color:rgb(171, 77, 54)  
}
```

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(171, 77, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 77, 54) }
```

Border

The CSS property to change the border of an element to XYZ 20.1143, 14.2320, 5.1769 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(171, 77, 54) }
```


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

```
.border{ border-color:rgb(171, 77, 54) }
```

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

Here you see how a box with a 4 pixel rgb(171, 77, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 77, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 77, 54);  
box-shadow:4px 4px 4px 4px rgb(171, 77,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1143, 14.2320, 5.1769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 77, 54) }
```

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

```
.background{ background-color: rgb(171, 77,  
54) }
```

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