

Converting Colors

XYZ(20.8019, 14.3298, 7.9005)

Have a look what the booklet for
XYZ(20.8019, 14.3298, 7.9005)
contains.

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Color

**XYZ(20.7319, 14.2838,
7.9677)**

Conversions

Conversions Part 1

Format	Color
Hex	AC4B49
RGB	172, 75, 73
RGB Percent	67%, 29%, 29%
CMY	0.3255, 0.7059, 0.7137
CMYK	0.00, 0.56, 0.58, 0.33
HSL	1°, 40%, 48%
HSV	1°, 58%, 67%
XYZ	20.7319, 14.2838, 7.9677
YIQ	103.7750, 58.4540, 19.9420

Conversions

Conversions Part 2

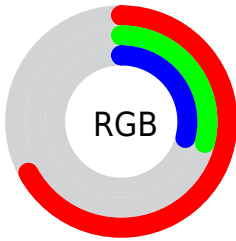
Format	Color
R_{YB}	172, 75, 73
Decimal	11291465
CIE _{Lab}	44.64, 39.61, 20.89
CIE _{LCh}	45, 44.784, 27.809
Yxy	14.2838, 0.4823, 0.3323
Android (android.graphics.Color)	4289481545 (0xFFAC4B49)
YUV	103.7750, -15.1721, 59.8333
Hunter-Lab	37.7939, 31.7771, 13.9562

Details

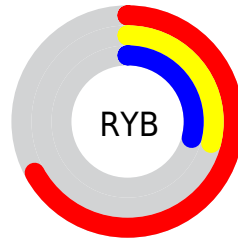
The XYZ color **20.7319, 14.2838, 7.9677** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **24.5678, 33.1425, 44.1318**, and the grayscale version is **13.1267, 13.8103, 15.0394**.

A 20% lighter version of the original color is **44.0572, 33.5728, 22.5705**, and **7.5984, 4.3463, 1.6008** is the 20% darker color. If you saturate the color by 10%, you get **19.2429, 12.0958, 5.0364**, and if you desaturate by 10%, it is **22.6820, 17.1418, 11.8309**.

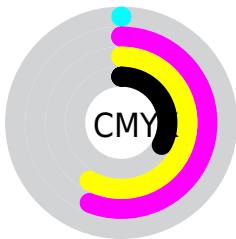
Distribution



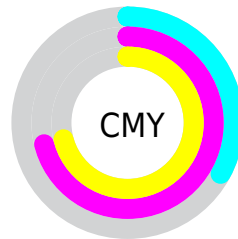
- Red (67%)
- Green (29%)
- Blue (29%)



- Red (67%)
- Yellow (29%)
- Blue (29%)



- Cyan (0%)
- Magenta (56%)
- Yellow (58%)
- Black (33%)





- Cyan (33%)
- Magenta (71%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7319, 14.2838, 7.9677 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 20.7319, 14.2838, 7.9677 by changing the saturation by 10% instead.


 20.7319, 14.2838,
7.9677

 20.7319, 14.2838,
7.9677


248.6090,
218.9893, 185.4036


 13.0395, 8.3183,
3.9868


 44.1356, 33.5917,
22.4402


 7.5329, 4.2993,
1.6181


 60.5775, 47.7030,
33.7689

 3.8468, 1.8424,
0.3037

 80.6668, 65.2983,
48.3840

 1.6159, 0.5134,
0.0000

 104.7686, 86.7620,
66.7040

 0.4027, 0.0000,
0.0000

 133.2484,
112.4786, 89.1474

 0.0000, 0.0000,
0.0000

166.4715,

142.8324, 116.1327

204.8032,
178.2078, 148.0786

■ 20.7319, 14.2838,
7.9677

■ 20.7319, 14.2838,
7.9677

■ 19.2429, 12.0958,
5.0364

■ 22.6820, 17.1418,
11.8309

■ 18.1762, 10.5213,
2.9578

■ 25.1258, 20.7159,
16.6950

■ 17.4883, 9.4983,
1.6407

■ 28.0941, 25.0506,
22.6231

■ 17.1187, 8.9448,
0.9449

■ 31.6151, 30.1865,
29.6730

■ 17.0510, 8.8462,
0.8088

■ 35.7148, 36.1609,
37.8985

■ 40.4175, 43.0091,
47.3497

■ 45.7462, 50.7641,
58.0740

■ 51.7228, 59.4574,
70.1160

■ 58.3681, 69.1190,
83.5185

Harmonies

Analogous

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



21.8122, 14.2838, 16.3295



20.7319, 14.2838, 7.9677



17.6440, 14.2838, 4.0292

Triad

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



20.7319, 14.2838, 7.9677



8.4854, 14.2838, 7.1499



13.3112, 14.2838, 45.2935

Complementary

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



20.7319, 14.2838, 7.9677



24.5678, 33.1425, 44.1318

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.



10.1875, 14.2838, 39.3393



20.7319, 14.2838, 7.9677



7.7286, 14.2838, 14.8008

Square

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



20.7319, 14.2838, 7.9677



10.5739, 14.2838, 3.7265



8.2918, 14.2838, 26.8643



17.0992, 14.2838, 40.7752

Rectangle

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



20.7319, 14.2838, 7.9677



15.1041, 14.2838, 3.0549



8.2918, 14.2838, 26.8643



12.1552, 14.2838, 44.4099

Sweetspot

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



20.7322, 14.2846, 7.9679



57.5299, 55.0182, 54.1824



26.6846, 16.4513, 39.9728



12.2171, 11.5405, 11.2030



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.



20.7322, 14.2846, 7.9679



34.3192, 21.0737, 7.9813



25.4423, 23.7046, 9.5380



8.0178, 8.0404, 8.3427



12.6937, 6.5929, 0.6035



0.3573, 0.1917, 0.0182

Inverse Universe

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



24.5678, 33.1425, 44.1318



41.9296, 58.5421, 79.8956



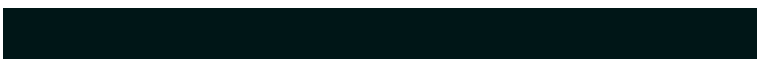
17.0132, 18.0334, 41.6136



8.2222, 9.0438, 10.2650



16.0379, 23.2096, 32.6791



0.4504, 0.6542, 0.9105

Previews

White Background



This preview shows how the XYZ color 20.7319, 14.2838, 7.9677 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 20.7319, 14.2838, 7.9677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

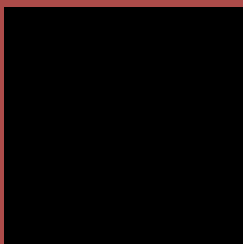
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7319, 14.2838, 7.9677

Background



This preview shows how black text looks on a background with the XYZ color 20.7319, 14.2838, 7.9677.



This preview shows how white text looks on a background with the XYZ color 20.7319, 14.2838,

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

20.7319, 14.2838, 7.9677

Protanopia

13.6844, 14.5069, 11.0957

Deuteranopia

14.6968, 14.5093, 7.4948



Tritanopia

20.8733, 14.2327, 9.0442

Trichromacy



Original Color

20.7319, 14.2838, 7.9677

Protanomaly

15.4467, 13.8619, 9.8441

Deuteranomaly

16.4342, 14.0258, 7.6354

Tritanomaly

20.8016, 14.2040, 8.6665

Monochromacy



Original Color

20.7319, 14.2838, 7.9677

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 20.7319, 14.2838, 7.9677 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(172, 75, 73)` looks like.

```
.text, #text, p{  
    color:rgb(172, 75, 73)  
}
```

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(172, 75, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 75, 73) }
```

Border

The CSS property to change the border of an element to XYZ 20.7319, 14.2838, 7.9677 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(172, 75, 73) }
```


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

```
.border{ border-color:rgb(172, 75, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 75, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 75, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 75, 73);  
box-shadow:4px 4px 4px 4px rgb(172, 75,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7319, 14.2838, 7.9677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 75, 73) }
```

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

```
.background{ background-color: rgb(172, 75,  
73) }
```

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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