

Converting Colors

XYZ(20.8704, 14.5556, 7.1712)

Have a look what the booklet for
XYZ(20.8704, 14.5556, 7.1712)
contains.

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Color

**XYZ(20.9308, 14.6093,
7.1856)**

Conversions

Conversions Part 1

Format	Color
Hex	AD4D44
RGB	173, 77, 68
RGB Percent	68%, 30%, 27%
CMY	0.3216, 0.6980, 0.7333
CMYK	0.00, 0.55, 0.61, 0.32
HSL	5°, 44%, 47%
HSV	5°, 61%, 68%
XYZ	20.9308, 14.6093, 7.1856
YIQ	104.6780, 60.1050, 17.5530

Conversions

Conversions Part 2

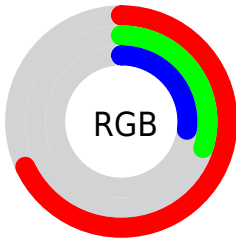
Format	Color
R_{YB}	173, 78, 68
Decimal	11357508
CIE _{Lab}	45.09, 38.60, 24.51
CIE _{LCh}	45, 45.727, 32.417
Yxy	14.6093, 0.4899, 0.3419
Android (android.graphics.Color)	4289547588 (0xFFAD4D44)
YUV	104.6780, -18.0823, 59.9184
Hunter-Lab	38.2221, 30.8596, 15.6092

Details

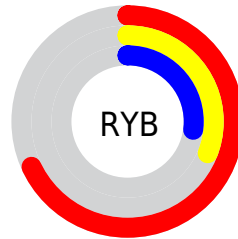
The XYZ color **20.9308, 14.6093, 7.1856** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.2013, 30.7951, 44.2561**, and the grayscale version is **13.3766, 14.0732, 15.3257**.

A 20% lighter version of the original color is **44.6069, 34.2851, 20.7896**, and **7.5933, 4.4103, 1.3708** is the 20% darker color. If you saturate the color by 10%, you get **19.5033, 12.4783, 4.4781**, and if you desaturate by 10%, it is **22.7839, 17.3423, 10.8037**.

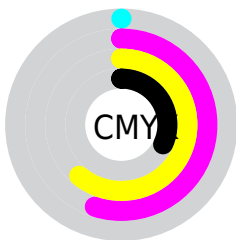
Distribution



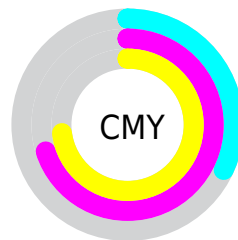
- Red (68%)
- Green (30%)
- Blue (27%)



- Red (68%)
- Yellow (31%)
- Blue (27%)



- Cyan (0%)
- Magenta (55%)
- Yellow (61%)
- Black (32%)





- Cyan (32%)
- Magenta (70%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9308, 14.6093, 7.1856 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 20.9308, 14.6093, 7.1856 by changing the saturation by 10% instead.


 20.9308, 14.6093,
7.1856


 20.9308, 14.6093,
7.1856


249.6492,
220.9891, 178.8861


 13.1856, 8.5456,
3.4982


 44.4645, 34.1663,
20.8648


 7.6344, 4.4460,
1.3543


 60.9837, 48.4284,
31.6938


 3.9117, 1.9261,
0.1057

 81.1582, 66.1922,
45.7403

 1.6523, 0.5640,
0.0000

 105.3535, 87.8420,
63.4230

 0.4261, 0.0000,
0.0000

 133.9349,
113.7621, 85.1604

 0.0000, 0.0000,
0.0000

167.2678,

144.3371, 111.3710

205.7174,
179.9513, 142.4734

■ 20.9308, 14.6093,
7.1856

■ 20.9308, 14.6093,
7.1856

■ 19.5033, 12.4783,
4.4781

■ 22.7839, 17.3423,
10.8037

■ 18.4663, 10.9016,
2.5994

■ 25.0918, 20.7157,
15.4033

■ 17.7809, 9.8282,
1.4541

■ 27.8824, 24.7674,
21.0488

■ 17.4020, 9.2212,
0.8627

■ 31.1810, 29.5315,
27.7993

■ 35.0111, 35.0402,
35.7091

■ 39.3949, 41.3234,
44.8293

■ 44.3531, 48.4095,
55.2077

■ 49.9056, 56.3255,
66.8896

■ 56.0710, 65.0969,
79.9180

Harmonies

Analogous

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



22.4390, 14.6093, 15.0494



20.9308, 14.6093, 7.1856



17.5116, 14.6093, 3.7043

Triad

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



20.9308, 14.6093, 7.1856



8.4105, 14.6093, 8.1137



14.1930, 14.6093, 46.8795

Complementary

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



20.9308, 14.6093, 7.1856



23.2013, 30.7951, 44.2561

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.



10.7984, 14.6093, 42.2395



20.9308, 14.6093, 7.1856



7.8400, 14.6093, 16.7967

Square

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



20.9308, 14.6093, 7.1856



10.3578, 14.6093, 4.0449



8.6308, 14.6093, 29.7972



18.1355, 14.6093, 40.5864

Rectangle

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



20.9308, 14.6093, 7.1856



14.8623, 14.6093, 2.9411



8.6308, 14.6093, 29.7972



12.9528, 14.6093, 46.5458

Sweetspot

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



20.9311, 14.6101, 7.1859



57.3878, 55.1136, 52.9651



26.0240, 15.7079, 36.9005



12.0743, 11.4050, 10.6928



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.



20.9311, 14.6101, 7.1859



34.1873, 21.2268, 6.6522



26.1601, 25.0680, 8.9288



8.0584, 8.1217, 8.3563



12.8033, 6.8122, 0.6401



0.3736, 0.2243, 0.0236

Inverse Universe

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



23.2013, 30.7951, 44.2561



38.5416, 52.6496, 78.9368



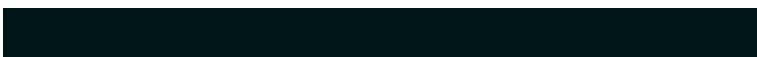
15.6934, 15.7794, 41.7535



8.1767, 8.9528, 10.2498



14.5650, 20.2639, 32.1882



0.4220, 0.5973, 0.9010

Previews

White Background



This preview shows how the XYZ color 20.9308, 14.6093, 7.1856 looks on a white background.

Color Contrast Check

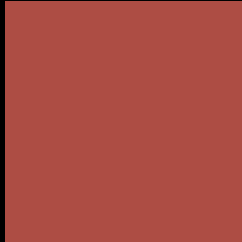
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9308, 14.6093, 7.1856 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 20.9308, 14.6093, 7.1856

Background



This preview shows how black text looks on a background with the XYZ color 20.9308, 14.6093, 7.1856.



This preview shows how white text looks on a background with the XYZ color 20.9308, 14.6093,

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

20.9308, 14.6093, 7.1856

Protanopia

13.7759, 14.7394, 9.7083

Deuteranopia

14.8545, 14.6075, 6.7392



Tritanopia

21.4196, 14.6100, 9.2805

Trichromacy



Original Color

20.9308, 14.6093, 7.1856

Protanomaly

15.6407, 14.1218, 8.7389

Deuteranomaly

16.7225, 14.3213, 6.8839

Tritanomaly

21.3445, 14.6894, 8.5478

Monochromacy



Original Color

20.9308, 14.6093, 7.1856

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.2299, 13.7030, 11.9674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9308, 14.6093, 7.1856 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, 77, 68)` looks like.

```
.text, #text, p{  
    color:rgb(173, 77, 68)  
}
```

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, 77, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 77, 68) }
```

Border

The CSS property to change the border of an element to XYZ 20.9308, 14.6093, 7.1856 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, 77, 68) }
```


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

```
.border{ border-color:rgb(173, 77, 68) }
```

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

Here you see how a box with a 4 pixel rgb(173, 77, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 77, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 77, 68);  
box-shadow:4px 4px 4px 4px rgb(173, 77,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9308, 14.6093, 7.1856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 77, 68) }
```

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

```
.background{ background-color: rgb(173, 77,  
68) }
```

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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