

Converting Colors

XYZ(20.2220, 14.7848, 8.8108)

Have a look what the booklet for
XYZ(20.2220, 14.7848, 8.8108)
contains.

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Color

**XYZ(20.2932, 14.7859,
8.8056)**

Conversions

Conversions Part 1

Format	Color
Hex	A7524D
RGB	167, 82, 77
RGB Percent	65%, 32%, 30%
CMY	0.3451, 0.6784, 0.6980
CMYK	0.00, 0.51, 0.54, 0.35
HSL	3°, 37%, 48%
HSV	3°, 54%, 65%
XYZ	20.2932, 14.7859, 8.8056
YIQ	106.8450, 52.2650, 16.4650

Conversions

Conversions Part 2

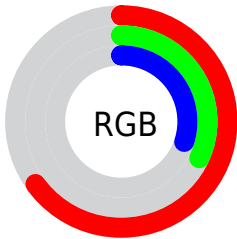
Format	Color
RYB	167, 82, 77
Decimal	10965581
CIELab	45.34, 34.45, 19.27
CIELCh	45, 39.470, 29.221
Yxy	14.7859, 0.4624, 0.3369
Android (android.graphics.Color)	4289155661 (0xFFA7524D)
YUV	106.8450, -14.7136, 52.7559
Hunter-Lab	38.4524, 26.9113, 13.3393

Details

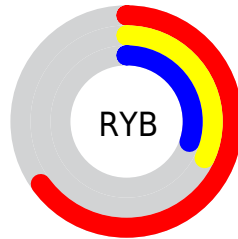
The XYZ color **20.2932, 14.7859, 8.8056** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **22.9552, 30.2068, 41.1797**, and the grayscale version is **13.9620, 14.6891, 15.9964**.

A 20% lighter version of the original color is **43.2048, 34.2890, 24.0800**, and **7.3739, 4.5770, 1.9336** is the 20% darker color. If you saturate the color by 10%, you get **18.7218, 12.4687, 5.7367**, and if you desaturate by 10%, it is **22.2901, 17.7119, 12.7633**.

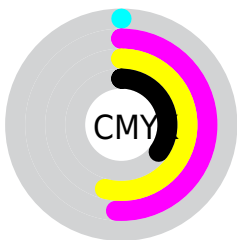
Distribution



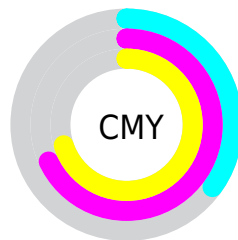
- Red (65%)
- Green (32%)
- Blue (30%)



- Red (65%)
- Yellow (32%)
- Blue (30%)



- Cyan (0%)
- Magenta (51%)
- Yellow (54%)
- Black (35%)



- Cyan (35%)
- Magenta (68%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2932, 14.7859, 8.8056 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 20.2932, 14.7859, 8.8056 by changing the saturation by 10% instead.

■ 20.2932, 14.7859,
8.8056

■ 20.2932, 14.7859,
8.8056

246.3014,
222.0666, 192.0854

■ 12.7179, 8.6693,
4.5195

■ 43.4084, 34.4771,
24.0950

■ 7.3102, 4.5261,
1.9145

■ 59.6790, 48.8205,
35.9354

■ 3.7049, 1.9720,
0.5019

■ 79.5787, 66.6750,
51.1309

■ 1.5366, 0.5911,
0.0000

■ 103.4729, 88.4249,
70.1002

■ 0.3505, 0.0000,
0.0000

■ 131.7269,
114.4546, 93.2617

■ 0.0000, 0.0000,
0.0000

164.7060,

145.1485, 121.0341

202.7758,
180.8911, 153.8358

■ 20.2932, 14.7859,
8.8056

■ 20.2932, 14.7859,
8.8056

■ 18.7218, 12.4687,
5.7367

■ 22.2901, 17.7119,
12.7633

■ 17.5439, 10.7153,
3.4873

■ 24.7391, 21.2829,
17.6706

■ 16.7250, 9.4781,
1.9789

■ 27.6660, 25.5352,
23.5838

■ 16.2237, 8.7008,
1.1173

■ 31.0944, 30.5015,
30.5543

■ 16.0371, 8.4170,
0.7794

■ 35.0461, 36.2126,
38.6304

■ 39.5420, 42.6975,
47.8573

■ 44.6014, 49.9833,
58.2775

■ 50.2430, 58.0963,
69.9315

■ 56.4845, 67.0612,
82.8578

Harmonies

Analogous

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



21.3330, 14.7859, 16.3456



20.2932, 14.7859, 8.8056



17.5266, 14.7859, 5.0478

Triad

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



20.2932, 14.7859, 8.8056



9.3101, 14.7859, 8.5249



13.9682, 14.7859, 41.6854

Complementary

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



20.2932, 14.7859, 8.8056



22.9552, 30.2068, 41.1797

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.



11.0726, 14.7859, 37.0819



20.2932, 14.7859, 8.8056



8.6529, 14.7859, 15.8556

Square

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



20.2932, 14.7859, 8.8056



11.1995, 14.7859, 4.9356



9.2452, 14.7859, 26.5995



17.3555, 14.7859, 37.5108

Rectangle

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



20.2932, 14.7859, 8.8056



15.2638, 14.7859, 4.0907



9.2452, 14.7859, 26.5995



12.9091, 14.7859, 41.0917

Sweetspot

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



20.2936, 14.7867, 8.8059



54.1319, 52.3740, 51.5500



25.1563, 16.1498, 36.2071



11.8365, 11.3189, 10.9718



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.2936, 14.7867, 8.8059



32.9876, 21.5270, 9.2289



24.8009, 23.8013, 10.3083



7.5634, 7.6068, 7.8589



12.2839, 6.4651, 0.6005



0.3090, 0.1776, 0.0180

Inverse Universe

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



22.9552, 30.2068, 41.1797



38.2413, 52.0873, 73.5136



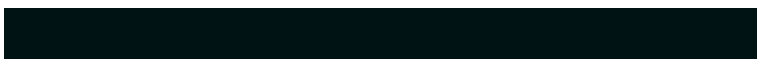
16.4554, 17.2073, 39.0131



7.7113, 8.4595, 9.6448



14.6682, 20.7965, 31.2165



0.3673, 0.5267, 0.7630

Previews

White Background



This preview shows how the XYZ color 20.2932, 14.7859, 8.8056 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 20.2932, 14.7859, 8.8056 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 20.2932, 14.7859, 8.8056

Background



This preview shows how black text looks on a background with the XYZ color 20.2932, 14.7859, 8.8056.



This preview shows how white text looks on a background with the XYZ color 20.2932, 14.7859,

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

20.2932, 14.7859, 8.8056

Protanopia

14.0634, 15.0071, 11.3880

Deuteranopia

15.1061, 14.8487, 8.3732



Tritanopia

20.7706, 14.8816, 10.5818

Trichromacy



Original Color

20.2932, 14.7859, 8.8056

Protanomaly

15.7349, 14.5503, 10.3667

Deuteranomaly

16.6559, 14.5185, 8.4030

Tritanomaly

20.6522, 14.8342, 9.9584

Monochromacy



Original Color

20.2932, 14.7859, 8.8056

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.5323, 14.2470, 12.9976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2932, 14.7859, 8.8056 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(167, 82, 77)` looks like.

```
.text, #text, p{  
    color:rgb(167, 82, 77)  
}
```

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(167, 82, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 82, 77) }
```

Border

The CSS property to change the border of an element to XYZ 20.2932, 14.7859, 8.8056 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(167, 82, 77) }
```


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

```
.border{ border-color:rgb(167, 82, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 82, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 82, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 82, 77);  
box-shadow:4px 4px 4px 4px rgb(167, 82,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2932, 14.7859, 8.8056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 82, 77) }
```

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

```
.background{ background-color: rgb(167, 82,  
77) }
```

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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