

Converting Colors

XYZ(20.8440, 14.8932, 10.7170)

Have a look what the booklet for
XYZ(20.8440, 14.8932, 10.7170)
contains.

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Color

**XYZ(20.8112, 14.8978,
10.7955)**

Conversions

Conversions Part 1

Format	Color
Hex	A85157
RGB	168, 81, 87
RGB Percent	66%, 32%, 34%
CMY	0.3412, 0.6823, 0.6588
CMYK	0.00, 0.52, 0.48, 0.34
HSL	356°, 35%, 49%
HSV	356°, 52%, 66%
XYZ	20.8112, 14.8978, 10.7955
YIQ	107.6970, 49.9260, 20.3100

Conversions

Conversions Part 2

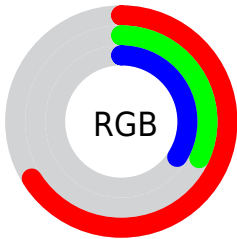
Format	Color
RYB	168, 81, 87
Decimal	11030871
CIELab	45.49, 36.30, 13.46
CIElCh	45, 38.717, 20.339
Yxy	14.8978, 0.4475, 0.3204
Android (android.graphics.Color)	4289220951 (0xFFA85157)
YUV	107.6970, -10.2036, 52.8857
Hunter-Lab	38.5977, 28.6982, 10.4354

Details

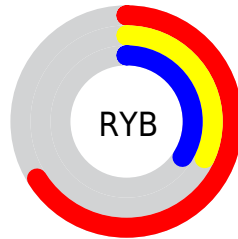
The XYZ color **20.8112, 14.8978, 10.7955** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **23.9184, 32.3636, 39.1707**, and the grayscale version is **14.1873, 14.9262, 16.2546**.

A 20% lighter version of the original color is **44.2669, 34.7500, 28.0412**, and **7.5900, 4.5919, 2.6768** is the 20% darker color. If you saturate the color by 10%, you get **19.1423, 12.4743, 7.4206**, and if you desaturate by 10%, it is **22.9282, 17.9959, 15.0033**.

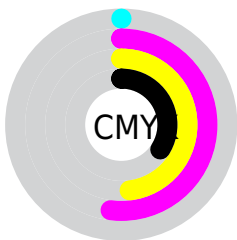
Distribution



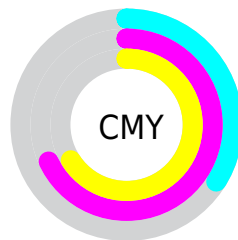
- Red (66%)
- Green (32%)
- Blue (34%)



- Red (66%)
- Yellow (32%)
- Blue (34%)



- Cyan (0%)
- Magenta (52%)
- Yellow (48%)
- Black (34%)





- Cyan (34%)
- Magenta (68%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8112, 14.8978, 10.7955 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 20.8112, 14.8978, 10.7955 by changing the saturation by 10% instead.


 20.8112, 14.8978,
10.7955


 20.8112, 14.8978,
10.7955


249.0242,
222.7468, 206.9460


 13.0977, 8.7477,
5.8171


 44.2668, 34.6738,
27.9122


 7.5733, 4.5770,
2.6672


 60.7396, 49.0685,
40.8876


 3.8727, 2.0013,
0.9268

 80.8629, 66.9801,
57.3657

 1.6304, 0.6082,
0.0000

 105.0020, 88.7931,
77.7651

 0.4121, 0.0000,
0.0000

 133.5223,
114.8919, 102.5042

 0.0000, 0.0000,
0.0000

166.7893,

145.6609, 132.0017

205.1681,
181.4844, 166.6761

■ 20.8112, 14.8978,
10.7955

■ 20.8112, 14.8978,
10.7955

■ 19.1423, 12.4743,
7.4206

■ 22.9282, 17.9959,
15.0033

■ 17.8881, 10.6732,
4.8224

■ 25.5212, 21.8112,
20.0933

■ 17.0124, 9.4380,
2.9392

■ 28.6173, 26.3857,
26.1123

■ 16.4723, 8.7014,
1.6993

■ 32.2409, 31.7572,
33.1031

■ 16.2123, 8.3504,
1.0917

■ 36.4153, 37.9613,
41.1063

■ 41.1620, 45.0311,
50.1598

■ 46.5015, 52.9983,
60.2998

■ 52.4533, 61.8927,
71.5606

■ 59.0359, 71.7428,
83.9752

Harmonies

Analogous

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



21.1999, 14.8978, 19.3900



20.8112, 14.8978, 10.7955



18.5009, 14.8978, 6.0264

Triad

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



20.8112, 14.8978, 10.7955



9.9002, 14.8978, 7.3173



13.1439, 14.8978, 40.8027

Complementary

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



20.8112, 14.8978, 10.7955



23.9184, 32.3636, 39.1707

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.



10.5574, 14.8978, 34.1075



20.8112, 14.8978, 10.7955



8.8815, 14.8978, 13.4179

Square

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



20.8112, 14.8978, 10.7955



12.1109, 14.8978, 4.6128



9.1023, 14.8978, 23.2147



16.4279, 14.8978, 39.2401

Rectangle

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



20.8112, 14.8978, 10.7955



16.3519, 14.8978, 4.5818



9.1023, 14.8978, 23.2147



12.1731, 14.8978, 39.3697

Sweetspot

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



20.8116, 14.8986, 10.7958



55.4184, 53.0478, 54.1248



24.6584, 16.2639, 38.8854



11.8003, 11.1493, 11.2594



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.



20.8116, 14.8986, 10.7958



34.3853, 22.1295, 12.7465



24.0246, 21.7006, 10.7080



7.5513, 7.5504, 7.9544



12.2505, 6.3089, 0.8648



0.3044, 0.1560, 0.0544

Inverse Universe

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



20.8116, 14.8986, 10.7958



34.3853, 22.1295, 12.7465



18.6793, 21.0121, 40.1170



7.5513, 7.5504, 7.9544



12.2505, 6.3089, 0.8648



0.3044, 0.1560, 0.0544

Previews

White Background



This preview shows how the XYZ color 20.8112, 14.8978, 10.7955 looks on a white background.

Color Contrast Check

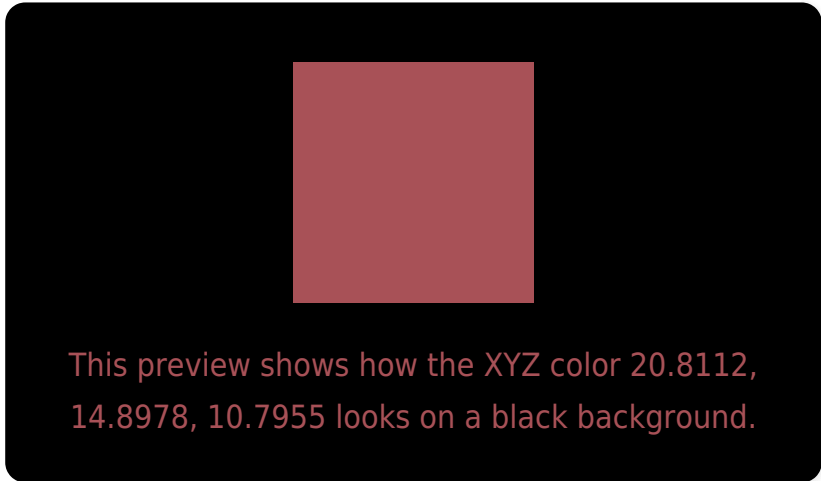
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 20.8112, 14.8978, 10.7955

Background



This preview shows how black text looks on a background with the XYZ color 20.8112, 14.8978, 10.7955.



This preview shows how white text looks on a background with the XYZ color 20.8112, 14.8978,

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

20.8112, 14.8978, 10.7955

Protanopia

14.3449, 15.0900, 14.2132

Deuteranopia

15.2640, 15.0372, 10.2816



Tritanopia

20.8112, 14.8978, 10.7955

Trichromacy



Original Color

20.8112, 14.8978, 10.7955

Protanomaly

15.9490, 14.4671, 12.7783

Deuteranomaly

16.9384, 14.7566, 10.3431

Tritanomaly

20.8112, 14.8978, 10.7955

Monochromacy



Original Color

20.8112, 14.8978, 10.7955

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.8739, 14.4013, 13.9997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8112, 14.8978, 10.7955 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(168, 81, 87)` looks like.

```
.text, #text, p{  
    color:rgb(168, 81, 87)  
}
```

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(168, 81, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 81, 87) }
```

Border

The CSS property to change the border of an element to XYZ 20.8112, 14.8978, 10.7955 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(168, 81, 87) }
```


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

```
.border{ border-color:rgb(168, 81, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 81, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 81, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 81, 87);  
box-shadow:4px 4px 4px 4px rgb(168, 81,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8112, 14.8978, 10.7955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 81, 87) }
```

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

```
.background{ background-color: rgb(168, 81,  
87) }
```

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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