

Converting Colors

XYZ(12.6530, 7.8631, 4.2304)

Have a look what the booklet for
XYZ(12.6530, 7.8631, 4.2304)
contains.

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Color

**XYZ(12.5655, 7.7965,
4.2108)**

Conversions

Conversions Part 1

Format	Color
Hex	8D2D35
RGB	141, 45, 53
RGB Percent	55%, 18%, 21%
CMY	0.4471, 0.8235, 0.7922
CMYK	0.00, 0.68, 0.62, 0.45
HSL	355°, 52%, 36%
HSV	355°, 68%, 55%
XYZ	12.5655, 7.7965, 4.2108
YIQ	74.6160, 54.6480, 22.8400

Conversions

Conversions Part 2

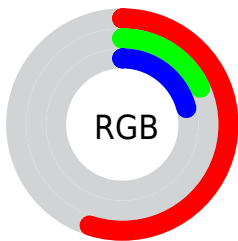
Format	Color
RYB	141, 45, 53
Decimal	9252149
CIELab	33.56, 41.11, 17.81
CIElCh	34, 44.802, 23.419
Yxy	7.7965, 0.5114, 0.3173
Android (android.graphics.Color)	4287442229 (0xFF8D2D35)
YUV	74.6160, -10.6567, 58.2188
Hunter-Lab	27.9222, 31.4643, 10.6043

Details

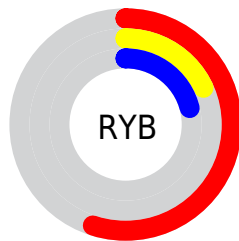
The XYZ color **12.5655, 7.7965, 4.2108** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.8412, 21.3013, 25.5213**, and the grayscale version is **6.6308, 6.9761, 7.5970**.

A 20% lighter version of the original color is **30.0800, 21.5924, 14.3867**, and **3.7956, 1.9510, 0.4350** is the 20% darker color. If you saturate the color by 10%, you get **11.8563, 6.7915, 2.7002**, and if you desaturate by 10%, it is **13.5351, 9.1940, 6.2041**.

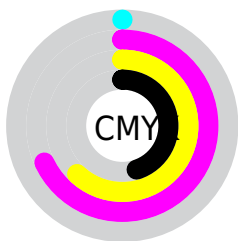
Distribution



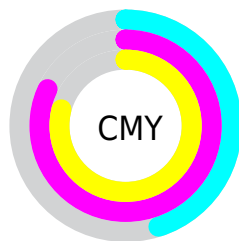
- Red (55%)
- Green (18%)
- Blue (21%)



- Red (55%)
- Yellow (18%)
- Blue (21%)



- Cyan (0%)
- Magenta (68%)
- Yellow (62%)
- Black (45%)





- Cyan (45%)
- Magenta (82%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5655, 7.7965, 4.2108 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 12.5655, 7.7965, 4.2108 by changing the saturation by 10% instead.


 12.5655, 7.7965,
4.2108


 12.5655, 7.7965,
4.2108


201.8083,
174.1270, 150.5404


 7.2050, 3.9650,
1.7417


 30.1289, 21.5585,
14.4931


 3.6381, 1.6540,
0.3891

 43.0626, 32.2579,
23.1433


 1.4995, 0.3936,
0.0000

 59.2513, 46.0152,
34.6910

 0.3255, 0.0000,
0.0000

 79.0604, 63.2151,
49.5547

 0.0000, 0.0000,
0.0000

 102.8553, 84.2418,
68.1530

 131.0014,

109.4798, 90.9043

163.8639,
139.3134, 118.2273

■ 12.5655, 7.7965,
4.2108

■ 12.5655, 7.7965,
4.2108

■ 11.8563, 6.7915,
2.7002

■ 13.5351, 9.1940,
6.2041

■ 11.3815, 6.1374,
1.6308

■ 14.7864, 11.0172,
8.7161

■ 11.0946, 5.7538,
0.9493

■ 16.3395, 13.2975,
11.7798

■ 11.0493, 5.6886,
0.8553

■ 18.2122, 16.0628,
15.4253

■ 20.4210, 19.3390,
19.6806

■ 22.9813, 23.1498,
24.5718

■ 25.9075, 27.5178,
30.1237

■ 29.2133, 32.4641,
36.3594

■ 32.9116, 38.0088,
43.3012

Harmonies

Analogous

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



13.0747, 7.7965, 10.1135



12.5655, 7.7965, 4.2108



10.5511, 7.7965, 1.6471

Triad

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



12.5655, 7.7965, 4.2108



4.2612, 7.7965, 2.7585



6.8886, 7.7965, 29.8657

Complementary

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



12.5655, 7.7965, 4.2108



14.8412, 21.3013, 25.5213

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.



4.9643, 7.7965, 24.3618



12.5655, 7.7965, 4.2108



3.6763, 7.7965, 7.0486

Square

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



12.5655, 7.7965, 4.2108



5.7073, 7.7965, 1.1856



3.9023, 7.7965, 14.9796



9.4224, 7.7965, 27.5853

Rectangle

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



12.5655, 7.7965, 4.2108



8.8223, 7.7965, 1.0449



3.9023, 7.7965, 14.9796



6.1577, 7.7965, 28.7976

Sweetspot

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



12.5657, 7.7969, 4.2109



35.5866, 33.1712, 33.3552



15.4192, 8.7868, 26.0826



7.7261, 7.0791, 7.0224



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.5657, 7.7969, 4.2109



20.7017, 11.4254, 3.6565



14.7070, 12.3497, 4.0918



5.4260, 5.4309, 5.7413



10.0777, 5.1881, 0.7947



0.0992, 0.0508, 0.0229

Inverse Universe

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



12.5657, 7.7969, 4.2109



20.7017, 11.4254, 3.6565



10.5440, 11.7889, 26.9190



5.4260, 5.4309, 5.7413



10.0777, 5.1881, 0.7947



0.0992, 0.0508, 0.0229

Previews

White Background



This preview shows how the XYZ color 12.5655, 7.7965, 4.2108 looks on a white background.

Color Contrast Check

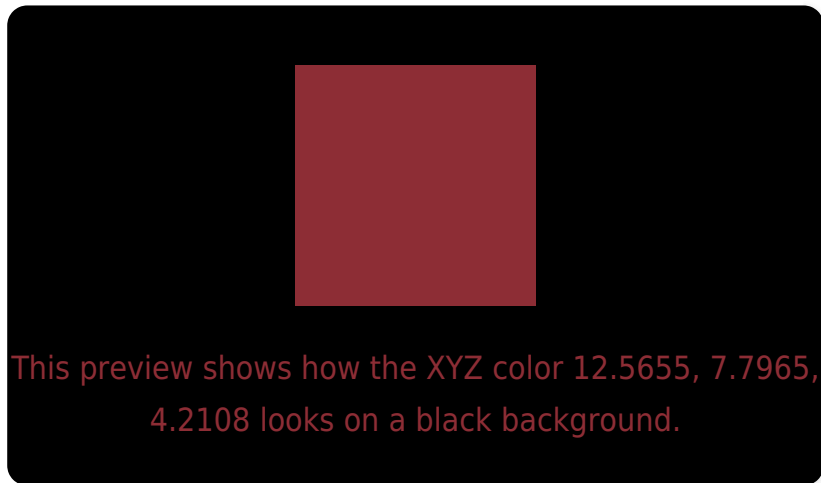
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

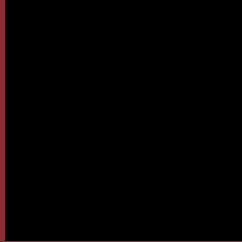
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5655, 7.7965, 4.2108

Background



This preview shows how black text looks on a background with the XYZ color 12.5655, 7.7965, 4.2108.

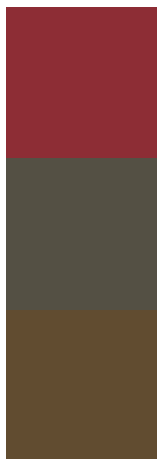


This preview shows how white text looks on a background with the XYZ color 12.5655, 7.7965,

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

12.5655, 7.7965, 4.2108

Protanopia

7.5682, 8.0395, 6.6217

Deuteranopia

8.0477, 7.9237, 3.9016



Tritanopia

12.4950, 7.8301, 3.6491

Trichromacy



Original Color

12.5655, 7.7965, 4.2108

Protanomaly

8.7301, 7.3764, 5.6663

Deuteranomaly

9.2761, 7.5216, 3.9805

Tritanomaly

12.5372, 7.8470, 3.8714

Monochromacy



Original Color

12.5655, 7.7965, 4.2108

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

7.9921, 6.7247, 6.1870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5655, 7.7965, 4.2108 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(141, 45, 53)` looks like.

```
.text, #text, p{  
    color:rgb(141, 45, 53)  
}
```

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(141, 45, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 45, 53) }
```

Border

The CSS property to change the border of an element to XYZ 12.5655, 7.7965, 4.2108 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(141, 45, 53) }
```


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

```
.border{ border-color:rgb(141, 45, 53) }
```

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

Here you see how a box with a 4 pixel rgb(141, 45, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 45, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 45, 53);  
box-shadow:4px 4px 4px 4px rgb(141, 45,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5655, 7.7965, 4.2108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 45, 53) }
```

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

```
.background{ background-color: rgb(141, 45,  
53) }
```

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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