

Converting Colors

XYZ(14.4632, 5.0757, 3.7379)

Have a look what the booklet for
XYZ(14.4632, 5.0757, 3.7379)
contains.

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Color

**XYZ(15.9757, 8.1589,
4.2228)**

Conversions

Conversions Part 1

Format	Color
Hex	A40036
RGB	164, 0, 54
RGB Percent	64%, 0%, 21%
CMY	0.3569, 0.9999, 0.7882
CMYK	0.00, 1.00, 0.67, 0.36
HSL	340°, 100%, 32%
HSV	340°, 100%, 64%
XYZ	15.9757, 8.1589, 4.2228
YIQ	55.1920, 80.4100, 51.5620

Conversions

Conversions Part 2

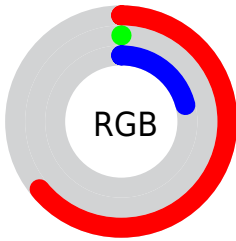
Format	Color
R_{YB}	164, 0, 54
Decimal	10747958
CIE _{Lab}	34.31, 59.08, 19.05
CIE _{LCh}	34, 62.071, 17.869
Yxy	8.1589, 0.5634, 0.2877
Android (android.graphics.Color)	4288938038 (0xFFA40036)
YUV	55.1920, -0.5877, 95.4246
Hunter-Lab	28.5638, 49.8483, 11.2294

Details

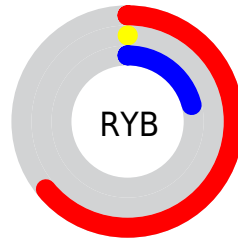
The XYZ color **15.9757, 8.1589, 4.2228** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.0917, 27.6773, 19.2539**, and the grayscale version is **3.6511, 3.8413, 4.1831**.

A 20% lighter version of the original color is **36.0055, 22.2354, 14.4508**, and **5.7693, 2.9672, 0.5853** is the 20% darker color. If you saturate the color by 10%, you get **15.9751, 8.1586, 4.2205**, and if you desaturate by 10%, it is **16.4556, 8.6575, 5.8051**.

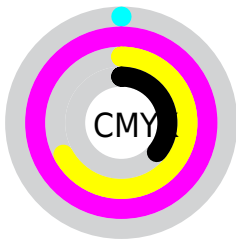
Distribution



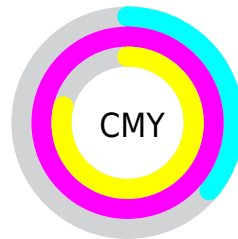
- Red (64%)
- Green (0%)
- Blue (21%)



- Red (64%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (36%)




- Cyan (36%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9757, 8.1589, 4.2228 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 15.9757, 8.1589, 4.2228 by changing the saturation by 10% instead.


 15.9757, 8.1589,
4.2228


 15.9757, 8.1589,
4.2228


222.4715,
176.9731, 150.6705


 9.5977, 4.1968,
1.7484


 36.1138, 22.2694,
14.5204

 5.1933, 1.7842,
0.3936

 50.6046, 33.1865,
23.1807


 2.3970, 0.4773,
0.0000

 68.5304, 47.1908,
34.7400

 0.8436, 0.0000,
0.0000

 90.2565, 64.6666,
49.6168

 0.0000, 0.0000,
0.0000

 116.1483, 85.9984,
68.2297

 146.5712,

111.5704, 90.9973

181.8905,
141.7672, 118.3380

15.9757, 8.1589,
4.2228

15.9757, 8.1589,
4.2228

15.9751, 8.1586,
4.2205

16.4556, 8.6575,
5.8051

17.1535, 9.4925,
7.7663

18.1381, 10.7964,
10.1459

19.4412, 12.6275,
12.9698

21.0899, 15.0356,
16.2612

■ 23.1084, 18.0644,
20.0416

■ 25.5185, 21.7537,
24.3312

■ 28.3402, 26.1397,
29.1487

■ 31.5925, 31.2561,
34.5121

Harmonies

Analogous

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



16.2567, 8.1589, 13.5241



15.9757, 8.1589, 4.2228



13.1343, 8.1589, 0.9176

Triad

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



15.9757, 8.1589, 4.2228



3.7906, 8.1589, 1.2490



6.4379, 8.1589, 43.6135

Complementary

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



15.9757, 8.1589, 4.2228



16.0917, 27.6773, 19.2539

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.



4.0906, 8.1589, 31.8595



15.9757, 8.1589, 4.2228



2.8965, 8.1589, 5.4485

Square

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



15.9757, 8.1589, 4.2228



5.8858, 8.1589, 0.0057



2.9869, 8.1589, 16.1142



9.9827, 8.1589, 42.2018

Rectangle

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



15.9757, 8.1589, 4.2228



10.5436, 8.1589, 0.1161



2.9869, 8.1589, 16.1142



5.5070, 8.1589, 40.8458

Sweetspot

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



15.9759, 8.1594, 4.2229



46.0461, 39.0636, 43.6869



13.0500, 5.9539, 35.5831



9.6696, 7.9300, 8.8518



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.9759, 8.1594, 4.2229



28.9115, 14.7749, 7.2063



15.7100, 8.6928, 0.8507



7.1654, 7.1226, 7.8576



12.2691, 6.2637, 3.3416



0.2788, 0.1400, 0.1810

Inverse Universe

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



15.9759, 8.1594, 4.2229



28.9115, 14.7749, 7.2063



15.6001, 20.4784, 38.2522



7.1654, 7.1226, 7.8576



12.2691, 6.2637, 3.3416



0.2788, 0.1400, 0.1810

Previews

White Background



This preview shows how the XYZ color 15.9757, 8.1589, 4.2228 looks on a white background.

Color Contrast Check

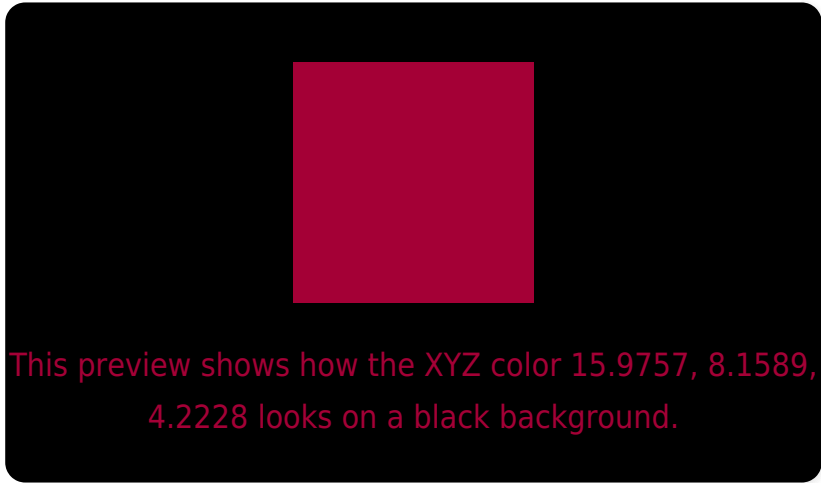
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9757, 8.1589, 4.2228

Background



This preview shows how black text looks on a background with the XYZ color 15.9757, 8.1589, 4.2228.



This preview shows how white text looks on a background with the XYZ color 15.9757, 8.1589,

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

15.9757, 8.1589, 4.2228

Protanopia

8.3790, 8.7441, 8.8356

Deuteranopia

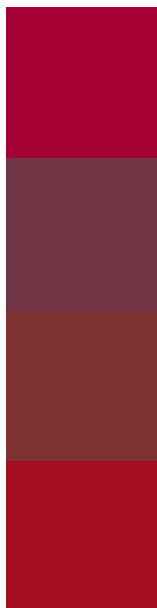
8.8413, 8.7594, 3.8095



Tritanopia

15.5087, 8.4074, 1.4215

Trichromacy



Original Color

15.9757, 8.1589, 4.2228

Protanomaly

9.3499, 6.5785, 6.7382

Deuteranomaly

10.1957, 6.9494, 3.7097

Tritanomaly

15.5220, 8.2049, 2.1321

Monochromacy



Original Color

15.9757, 8.1589, 4.2228

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.0099, 3.9108, 4.0525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9757, 8.1589, 4.2228 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(164, 0, 54)` looks like.

```
.text, #text, p{  
    color:rgb(164, 0, 54)  
}
```

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(164, 0, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 54) }
```

Border

The CSS property to change the border of an element to XYZ 15.9757, 8.1589, 4.2228 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(164, 0, 54) }
```


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

```
.border{ border-color:rgb(164, 0, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 0, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 54);  
box-shadow:4px 4px 4px 4px rgb(164, 0, 54)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.9757, 8.1589, 4.2228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 0, 54) }
```

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

```
.background{ background-color: rgb(164, 0,  
54) }
```

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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