

Converting Colors

XYZ(16.4481, 9.7728, 5.2934)

Have a look what the booklet for
XYZ(16.4481, 9.7728, 5.2934)
contains.

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Color

**XYZ(16.4519, 9.7801,
5.2956)**

Conversions

Conversions Part 1

Format	Color
Hex	A12D3C
RGB	161, 45, 60
RGB Percent	63%, 18%, 24%
CMY	0.3686, 0.8235, 0.7647
CMYK	0.00, 0.72, 0.63, 0.37
HSL	352°, 56%, 40%
HSV	352°, 72%, 63%
XYZ	16.4519, 9.7801, 5.2956
YIQ	81.3940, 64.3210, 29.2570

Conversions

Conversions Part 2

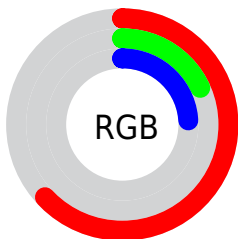
Format	Color
R_{YB}	161, 45, 60
Decimal	10562876
CIE _{Lab}	37.44, 48.29, 19.14
CIE _{LCh}	37, 51.942, 21.625
Yxy	9.7801, 0.5218, 0.3102
Android (android.graphics.Color)	4288752956 (0xFFA12D3C)
YUV	81.3940, -10.5472, 69.8145
Hunter-Lab	31.2732, 39.1757, 11.8514

Details

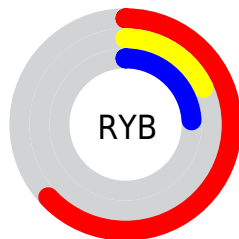
The XYZ color **16.4519, 9.7801, 5.2956** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.0162, 28.1231, 31.6232**, and the grayscale version is **7.9111, 8.3231, 9.0639**.

A 20% lighter version of the original color is **36.9345, 25.3574, 16.8577**, and **5.7027, 2.9272, 0.8367** is the 20% darker color. If you saturate the color by 10%, you get **15.6277, 8.6484, 3.4285**, and if you desaturate by 10%, it is **17.6090, 11.4207, 7.7583**.

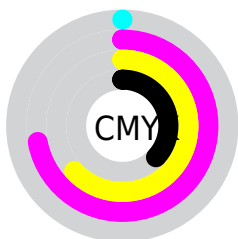
Distribution



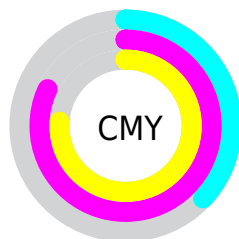
- Red (63%)
- Green (18%)
- Blue (24%)



- Red (63%)
- Yellow (18%)
- Blue (24%)



- Cyan (0%)
- Magenta (72%)
- Yellow (63%)
- Black (37%)





- Cyan (37%)
- Magenta (82%)
- Yellow (76%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4519, 9.7801, 5.2956 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 16.4519, 9.7801, 5.2956 by changing the saturation by 10% instead.


 16.4519, 9.7801,
5.2956

 16.4519, 9.7801,
5.2956


225.2121,
189.0953, 161.6903


 9.9374, 5.2534,
2.3600


 36.9321, 25.3811,
16.9020


 5.4194, 2.3967,
0.7645

 51.6285, 37.2241,
26.4099


 2.5326, 0.8242,
0.0000

 69.7829, 52.2747,
38.9456

 0.9117, 0.0000,
0.0000

 91.7606, 70.9173,
54.9276

 0.0000, 0.0000,
0.0000

 117.9270, 93.5363,
74.7746

 148.6475,

120.5160, 98.9050

184.2874,
152.2409, 127.7374

■ 16.4519, 9.7801,
5.2956

■ 16.4519, 9.7801,
5.2956

■ 15.6277, 8.6484,
3.4285

■ 17.6090, 11.4207,
7.7583

■ 15.0995, 7.9641,
2.1052

■ 19.1293, 13.6192,
10.8614

■ 14.8314, 7.6304,
1.3913

■ 21.0404, 16.4204,
14.6458

■ 23.3669, 19.8643,
19.1489

■ 26.1316, 23.9875,
24.4055

■ 29.3554, 28.8237,
30.4478

■ 33.0580, 34.4044,
37.3064

■ 37.2578, 40.7594,
45.0102

■ 41.9725, 47.9165,
53.5866

Harmonies

Analogous

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



17.0074, 9.7801, 13.4932



16.4519, 9.7801, 5.2956



13.7712, 9.7801, 1.8510

Triad

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



16.4519, 9.7801, 5.2956



5.1862, 9.7801, 2.9251



8.4096, 9.7801, 40.2476

Complementary

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



16.4519, 9.7801, 5.2956



19.0162, 28.1231, 31.6232

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.



5.9130, 9.7801, 31.9243



16.4519, 9.7801, 5.2956



4.3594, 9.7801, 8.2353

Square

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



16.4519, 9.7801, 5.2956



7.1657, 9.7801, 1.1483



4.5900, 9.7801, 18.7594



11.8108, 9.7801, 37.6943

Rectangle

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



16.4519, 9.7801, 5.2956



11.4221, 9.7801, 1.0710



4.5900, 9.7801, 18.7594



7.4510, 9.7801, 38.5113

Sweetspot

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



16.4521, 9.7807, 5.2958



46.6029, 42.6653, 43.3367



19.1430, 10.5190, 34.7393



9.9333, 8.9276, 8.9608



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.4521, 9.7807, 5.2958



27.4004, 14.7147, 4.7062



18.6236, 14.6704, 4.3336



7.1093, 7.1002, 7.5621



11.8546, 6.0979, 1.1588



0.2593, 0.1322, 0.0781

Inverse Universe

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



16.4521, 9.7807, 5.2958



27.4004, 14.7147, 4.7062



14.0494, 16.1990, 36.1041



7.1093, 7.1002, 7.5621



11.8546, 6.0979, 1.1588



0.2593, 0.1322, 0.0781

Previews

White Background



This preview shows how the XYZ color 16.4519, 9.7801, 5.2956 looks on a white background.

Color Contrast Check

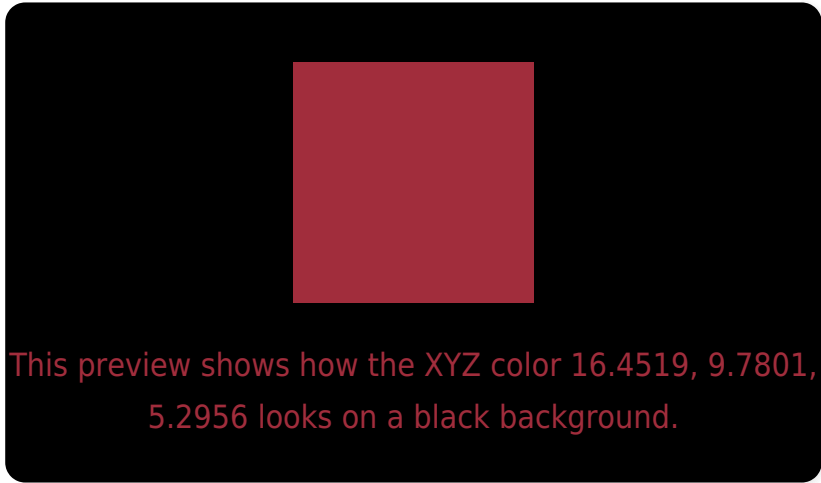
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4519, 9.7801, 5.2956

Background



This preview shows how black text looks on a background with the XYZ color 16.4519, 9.7801, 5.2956.



This preview shows how white text looks on a background with the XYZ color 16.4519, 9.7801,

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

16.4519, 9.7801, 5.2956

Protanopia

9.4979, 10.0364, 8.8338

Deuteranopia

10.0987, 9.9515, 4.8786



Tritanopia

16.2688, 9.8318, 3.9460

Trichromacy



Original Color

16.4519, 9.7801, 5.2956

Protanomaly

11.0235, 9.0845, 7.3034

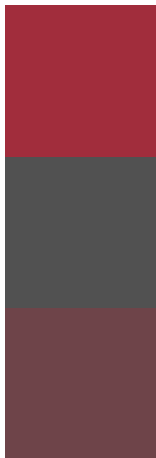
Deuteranomaly

11.6564, 9.1779, 4.8985

Tritanomaly

16.3175, 9.7881, 4.3974

Monochromacy



Original Color

16.4519, 9.7801, 5.2956

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.7001, 7.9303, 7.3228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4519, 9.7801, 5.2956 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(161, 45, 60)` looks like.

```
.text, #text, p{  
    color:rgb(161, 45, 60)  
}
```

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(161, 45, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 45, 60) }
```

Border

The CSS property to change the border of an element to XYZ 16.4519, 9.7801, 5.2956 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(161, 45, 60) }
```


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

```
.border{ border-color:rgb(161, 45, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 45, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 45, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 45, 60);  
box-shadow:4px 4px 4px 4px rgb(161, 45,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4519, 9.7801, 5.2956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 45, 60) }
```

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

```
.background{ background-color: rgb(161, 45,  
60) }
```

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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