

Converting Colors

XYZ(15.7046, 9.6048, 7.6241)

Have a look what the booklet for
XYZ(15.7046, 9.6048, 7.6241)
contains.

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Color

**XYZ(15.6947, 9.5747,
7.6775)**

Conversions

Conversions Part 1

Format	Color
Hex	9A314B
RGB	154, 49, 75
RGB Percent	60%, 19%, 29%
CMY	0.3961, 0.8078, 0.7059
CMYK	0.00, 0.68, 0.51, 0.40
HSL	345°, 52%, 40%
HSV	345°, 68%, 60%
XYZ	15.6947, 9.5747, 7.6775
YIQ	83.3590, 54.2340, 30.3460

Conversions

Conversions Part 2

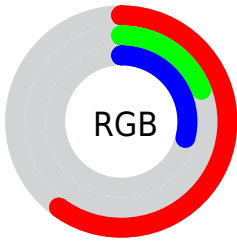
Format	Color
R_{YB}	154, 49, 75
Decimal	10105163
CIE _{Lab}	37.07, 45.57, 8.87
CIE _{LCh}	37, 46.424, 11.016
Yxy	9.5747, 0.4764, 0.2906
Android (android.graphics.Color)	4288295243 (0xFF9A314B)
YUV	83.3590, -4.1210, 61.9522
Hunter-Lab	30.9430, 36.3873, 6.9492

Details

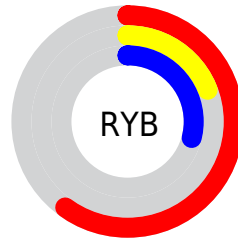
The XYZ color **15.6947, 9.5747, 7.6775** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.7192, 25.3228, 24.4310**, and the grayscale version is **8.2962, 8.7282, 9.5050**.

A 20% lighter version of the original color is **35.5408, 24.9550, 22.0124**, and **5.1905, 2.6457, 1.6036** is the 20% darker color. If you saturate the color by 10%, you get **14.7960, 8.3552, 5.5962**, and if you desaturate by 10%, it is **16.8863, 11.2643, 10.2130**.

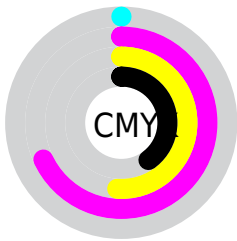
Distribution



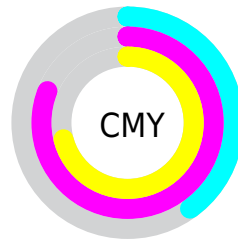
- Red (60%)
- Green (19%)
- Blue (29%)



- Red (60%)
- Yellow (19%)
- Blue (29%)



- Cyan (0%)
- Magenta (68%)
- Yellow (51%)
- Black (40%)



- Cyan (40%)
- Magenta (81%)
- Yellow (71%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6947, 9.5747, 7.6775 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 15.6947, 9.5747, 7.6775 by changing the saturation by 10% instead.


 15.6947, 9.5747,
7.6775

 15.6947, 9.5747,
7.6775


220.8394,
187.6091, 183.0193


 9.3978, 5.1179,
3.8045


 35.6291, 24.9924,
21.8594


 5.0608, 2.3166,
1.5187

 49.9974, 36.7221,
33.0053


 2.3181, 0.7825,
0.2318

 67.7869, 51.6449,
47.4127

 0.8039, 0.0000,
0.0000

 89.3629, 70.1452,
65.5000

 0.0000, 0.0000,
0.0000

 115.0908, 92.6074,
87.6857

 145.3359,

119.4158, 114.3885

180.4637,
150.9549, 146.0268

■ 15.6947, 9.5747,
7.6775

■ 15.6947, 9.5747,
7.6775

■ 14.7960, 8.3552,
5.5962

■ 16.8863, 11.2643,
10.2130

■ 14.1619, 7.5557,
3.9402

■ 18.3938, 13.4643,
13.2281

■ 13.7438, 7.0857,
2.6721

■ 20.2388, 16.2124,
16.7468

■ 13.6782, 7.0107,
2.4766

■ 22.4407, 19.5424,
20.7912

■ 25.0174, 23.4853,
25.3821

■ 27.9856, 28.0697,
30.5393

■ 31.3609, 33.3228,
36.2813

■ 35.1582, 39.2699,
42.6260

■ 39.3914, 45.9350,
49.5903

Harmonies

Analogous

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



15.4098, 9.5747, 16.4864



15.6947, 9.5747, 7.6775



13.9541, 9.5747, 3.0939

Triad

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



15.6947, 9.5747, 7.6775



5.9270, 9.5747, 2.4507



7.4144, 9.5747, 33.7817

Complementary

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



15.6947, 9.5747, 7.6775



16.7192, 25.3228, 24.4310

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.



5.5272, 9.5747, 24.6919



15.6947, 9.5747, 7.6775



4.8022, 9.5747, 6.0682

Square

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



15.6947, 9.5747, 7.6775



8.0822, 9.5747, 1.3186



4.6732, 9.5747, 13.7609



10.2008, 9.5747, 35.0469

Rectangle

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



15.6947, 9.5747, 7.6775



12.0581, 9.5747, 1.7935



4.6732, 9.5747, 13.7609



6.6709, 9.5747, 31.3789

Sweetspot

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



15.6949, 9.5752, 7.6777



44.3449, 40.9711, 44.1663



15.7961, 9.1003, 31.4955



9.7537, 8.8391, 9.4937



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.6949, 9.5752, 7.6777



26.1925, 14.2956, 8.4290



16.4143, 12.1587, 4.3883



6.2684, 6.2465, 6.7936



11.1566, 5.7169, 2.0840



0.1796, 0.0906, 0.0987

Inverse Universe

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



15.6949, 9.5752, 7.6777



26.1925, 14.2956, 8.4290



14.7865, 18.3598, 33.3360



6.2684, 6.2465, 6.7936



11.1566, 5.7169, 2.0840



0.1796, 0.0906, 0.0987

Previews

White Background



This preview shows how the XYZ color 15.6947, 9.5747, 7.6775 looks on a white background.

Color Contrast Check

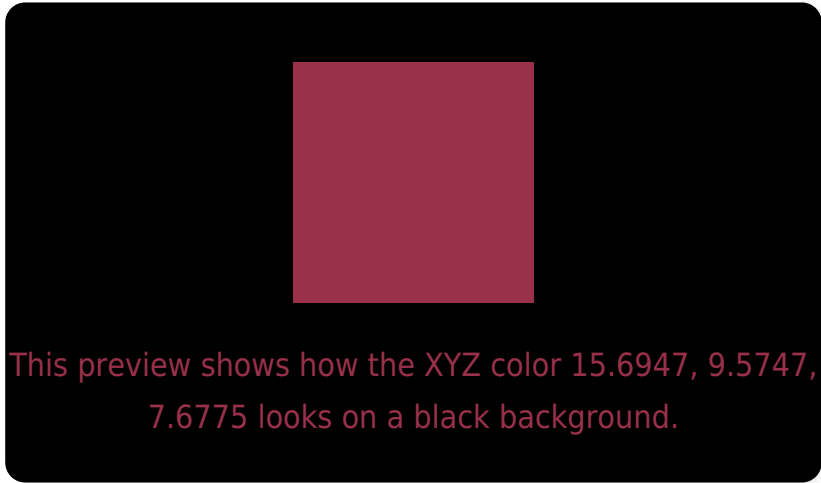
Large Text (above 18pt) WCAG AA ✓ Pass

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

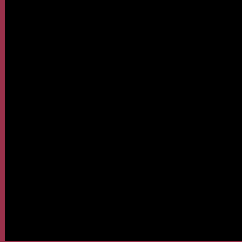
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6947, 9.5747, 7.6775

Background



This preview shows how black text looks on a background with the XYZ color 15.6947, 9.5747, 7.6775.



This preview shows how white text looks on a background with the XYZ color 15.6947, 9.5747,

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

15.6947, 9.5747, 7.6775

Protanopia

9.5798, 9.8804, 12.2287

Deuteranopia

9.9475, 9.8228, 7.1660



Tritanopia

15.1238, 9.6040, 4.7980

Trichromacy



Original Color

15.6947, 9.5747, 7.6775

Protanomaly

10.8923, 9.0469, 10.4047

Deuteranomaly

11.5131, 9.2402, 7.3076

Tritanomaly

15.2621, 9.5872, 5.7487

Monochromacy



Original Color

15.6947, 9.5747, 7.6775

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.0079, 8.3369, 8.6711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6947, 9.5747, 7.6775 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(154, 49, 75)` looks like.

```
.text, #text, p{  
    color:rgb(154, 49, 75)  
}
```

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(154, 49, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 49, 75) }
```

Border

The CSS property to change the border of an element to XYZ 15.6947, 9.5747, 7.6775 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(154, 49, 75) }
```


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

```
.border{ border-color:rgb(154, 49, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 49, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 49, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 49, 75);  
box-shadow:4px 4px 4px 4px rgb(154, 49,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6947, 9.5747, 7.6775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 49, 75) }
```

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

```
.background{ background-color: rgb(154, 49,  
75) }
```

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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