

Converting Colors

XYZ(15.7864, 8.8455, 6.6608)

Have a look what the booklet for
XYZ(15.7864, 8.8455, 6.6608)
contains.

XYZ(15.7781, 8.8554, 6.6720)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.7781, 8.8554,
6.6720)**

Conversions

Conversions Part 1

Format	Color
Hex	9E2246
RGB	158, 34, 70
RGB Percent	62%, 13%, 27%
CMY	0.3804, 0.8666, 0.7255
CMYK	0.00, 0.78, 0.56, 0.38
HSL	343°, 65%, 38%
HSV	343°, 78%, 62%
XYZ	15.7781, 8.8554, 6.6720
YIQ	75.1800, 62.3480, 37.4840

Conversions

Conversions Part 2

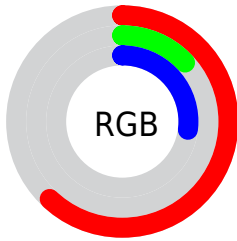
Format	Color
R _Y B	158, 34, 70
Decimal	10363462
CIE Lab	35.70, 51.93, 10.30
CIE LCh	36, 52.942, 11.215
Yxy	8.8554, 0.5040, 0.2829
Android (android.graphics.Color)	4288553542 (0xFF9E2246)
YUV	75.1800, -2.5537, 72.6331
Hunter-Lab	29.7580, 42.5665, 7.5373

Details

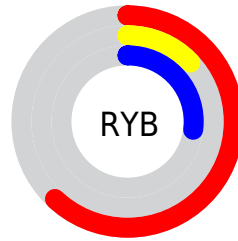
The XYZ color **15.7781, 8.8554, 6.6720** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.4003, 26.1993, 22.6081**, and the grayscale version is **6.7177, 7.0675, 7.6965**.

A 20% lighter version of the original color is **35.6264, 23.5419, 19.8059**, and **5.4534, 2.7885, 1.2877** is the 20% darker color. If you saturate the color by 10%, you get **15.1041, 8.0221, 4.8610**, and if you desaturate by 10%, it is **16.7263, 10.1314, 8.9007**.

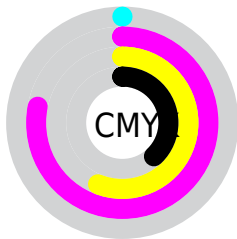
Distribution



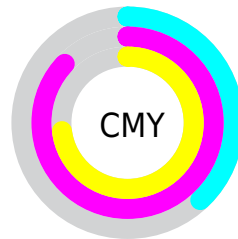
- Red (62%)
- Green (13%)
- Blue (27%)



- Red (62%)
- Yellow (13%)
- Blue (27%)



- Cyan (0%)
- Magenta (78%)
- Yellow (56%)
- Black (38%)





- Cyan (38%)
- Magenta (87%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7781, 8.8554, 6.6720 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 15.7781, 8.8554, 6.6720 by changing the saturation by 10% instead.


 15.7781, 8.8554,
6.6720


 15.7781, 8.8554,
6.6720


221.3250,
182.2955, 174.4360


 9.4571, 4.6470,
3.1825


 35.7731, 23.6191,
19.8118

 5.1000, 2.0417,
1.1886

 50.1779, 34.9432,
30.2991


 2.3414, 0.6315,
0.0000

 68.0079, 49.4079,
43.9562

 0.8157, 0.0000,
0.0000

 89.6286, 67.3977,
61.2015

 0.0000, 0.0000,
0.0000

 115.4053, 89.2970,
82.4536

 145.7033,

115.4901, 108.1310

180.8881,
146.3615, 138.6523

■ 15.7781, 8.8554,
6.6720

■ 15.7781, 8.8554,
6.6720

■ 15.1041, 8.0221,
4.8610

■ 16.7263, 10.1314,
8.9007

■ 14.6514, 7.5313,
3.4318

■ 17.9765, 11.9003,
11.5731

■ 14.5909, 7.4652,
3.2424

■ 19.5540, 14.2073,
14.7131

■ 21.4808, 17.0918,
18.3429

■ 23.7771, 20.5897,
22.4831

■ 26.4614, 24.7339,
27.1529

■ 29.5511, 29.5548,
32.3707

■ 33.0624, 35.0810,
38.1538

■ 37.0105, 41.3396,
44.5189

Harmonies

Analogous

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



15.4685, 8.8554, 16.2993



15.7781, 8.8554, 6.6720



13.7834, 8.8554, 2.1746

Triad

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



15.7781, 8.8554, 6.6720



5.0509, 8.8554, 1.6328



6.6292, 8.8554, 36.7638

Complementary

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



15.7781, 8.8554, 6.6720



16.4003, 26.1993, 22.6081

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.



4.6629, 8.8554, 25.9676



15.7781, 8.8554, 6.6720



3.9194, 8.8554, 5.1006

Square

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



15.7781, 8.8554, 6.6720



7.3033, 8.8554, 0.6731



3.7975, 8.8554, 13.3839



9.6381, 8.8554, 38.2152

Rectangle

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



15.7781, 8.8554, 6.6720



11.6481, 8.8554, 1.0630



3.7975, 8.8554, 13.3839



5.8462, 8.8554, 33.8943

Sweetspot

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



15.7783, 8.8559, 6.6721



45.0456, 40.2615, 44.1089



14.6014, 7.6640, 33.0574



9.7997, 8.5295, 9.3198



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.



15.7783, 8.8559, 6.6721



26.8093, 13.8998, 6.8596



15.9435, 10.4929, 2.6992



6.7083, 6.6762, 7.3151



11.7012, 5.9851, 2.6777



0.2263, 0.1138, 0.1376

Inverse Universe

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



15.7783, 8.8559, 6.6721



26.8093, 13.8998, 6.8596



15.2468, 19.6393, 35.3348



6.7083, 6.6762, 7.3151



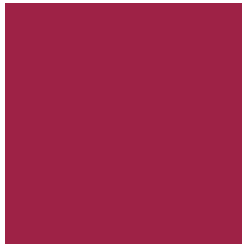
11.7012, 5.9851, 2.6777



0.2263, 0.1138, 0.1376

Previews

White Background



This preview shows how the XYZ color 15.7781, 8.8554, 6.6720 looks on a white background.

Color Contrast Check

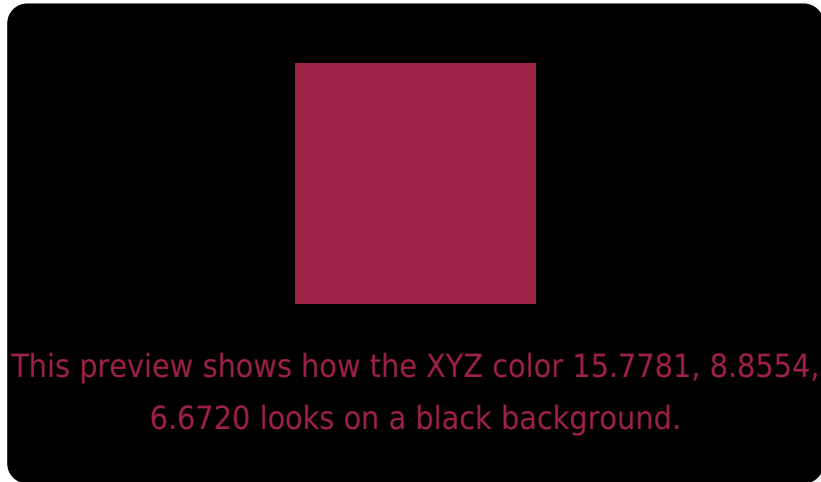
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7781, 8.8554, 6.6720

Background



This preview shows how black text looks on a background with the XYZ color 15.7781, 8.8554, 6.6720.



This preview shows how white text looks on a background with the XYZ color 15.7781, 8.8554,

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

15.7781, 8.8554, 6.6720

Protanopia

8.9702, 9.2080, 12.1310

Deuteranopia

9.3095, 9.1715, 6.1301



Tritanopia

15.1155, 8.9211, 3.1158

Trichromacy



Original Color

15.7781, 8.8554, 6.6720

Protanomaly

10.1835, 7.9478, 9.8015

Deuteranomaly

10.8997, 8.3115, 6.1841

Tritanomaly

15.2176, 8.8023, 4.1458

Monochromacy



Original Color

15.7781, 8.8554, 6.6720

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.6442, 6.7160, 7.1441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7781, 8.8554, 6.6720 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(158, 34, 70)` looks like.

```
.text, #text, p{  
    color:rgb(158, 34, 70)  
}
```

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(158, 34, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 34, 70) }
```

Border

The CSS property to change the border of an element to XYZ 15.7781, 8.8554, 6.6720 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(158, 34, 70) }
```


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

```
.border{ border-color:rgb(158, 34, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 34, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 34, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 34, 70);  
box-shadow:4px 4px 4px 4px rgb(158, 34,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7781, 8.8554, 6.6720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 34, 70) }
```

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

```
.background{ background-color: rgb(158, 34,  
70) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor