

Converting Colors

XYZ(15.2770, 7.4806, 6.3419)

Have a look what the booklet for
XYZ(15.2770, 7.4806, 6.3419)
contains.

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Color

**XYZ(15.3723, 7.8006,
6.3257)**

Conversions

Conversions Part 1

Format	Color
Hex	9F0045
RGB	159, 0, 69
RGB Percent	62%, 0%, 27%
CMY	0.3765, 0.9999, 0.7294
CMYK	0.00, 1.00, 0.57, 0.38
HSL	334°, 100%, 31%
HSV	334°, 100%, 62%
XYZ	15.3723, 7.8006, 6.3257
YIQ	55.4070, 72.6150, 55.1670

Conversions

Conversions Part 2

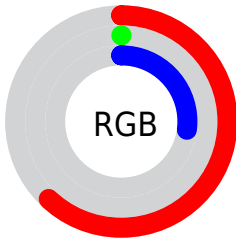
Format	Color
R_{YB}	159, 0, 69
Decimal	10420293
CIE _{Lab}	33.56, 58.78, 8.00
CIE _{LCh}	34, 59.321, 7.746
Yxy	7.8006, 0.5211, 0.2644
Android (android.graphics.Color)	4288610373 (0xFF9F0045)
YUV	55.4070, 6.7013, 90.8511
Hunter-Lab	27.9296, 49.3689, 6.1222

Details

The XYZ color **15.3723, 7.8006, 6.3257** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.2448, 25.5350, 13.8556**, and the grayscale version is **3.6697, 3.8608, 4.2044**.

A 20% lighter version of the original color is **35.0087, 21.5133, 19.1369**, and **5.4534, 2.7885, 1.2877** is the 20% darker color. If you saturate the color by 10%, you get **15.3719, 7.8004, 6.3237**, and if you desaturate by 10%, it is **15.8574, 8.2893, 7.9722**.

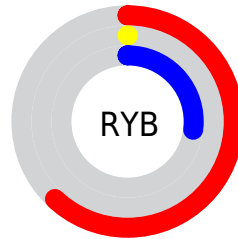
Distribution



Red (62%)

Green (0%)

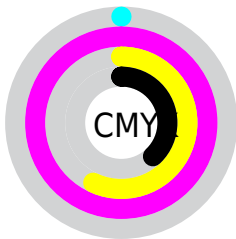
Blue (27%)



Red (62%)

Yellow (0%)

Blue (27%)

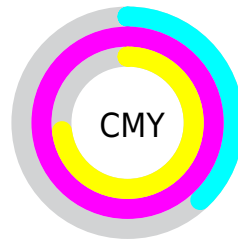


Cyan (0%)

Magenta (100%)

Yellow (57%)

Black (38%)



Cyan (38%)


Magenta (100%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3723, 7.8006, 6.3257 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 15.3723, 7.8006, 6.3257 by changing the saturation by 10% instead.


 15.3723, 7.8006,
6.3257


 15.3723, 7.8006,
6.3257


218.9527,
174.1596, 171.3495


 9.1691, 3.9676,
2.9721


 35.0713, 21.5666,
19.0925


 4.9096, 1.6555,
1.0804

 49.2978, 32.2684,
29.3428


 2.2286, 0.3946,
0.0000

 66.9295, 46.0286,
42.7291

 0.7577, 0.0000,
0.0000

 88.3317, 63.2316,
59.6699

 0.0000, 0.0000,
0.0000

 113.8698, 84.2619,
80.5838

 143.9091,

109.5036, 105.8894

178.8149,
139.3414, 136.0051

15.3723, 7.8006,
6.3257

15.3723, 7.8006,
6.3257

15.3719, 7.8004,
6.3237

15.8574, 8.2893,
7.9722

16.5302, 9.0825,
9.8993

17.4552, 10.3067,
12.1367

18.6603, 12.0152,
14.7016

20.1695, 14.2535,
17.6096

■ 22.0040, 17.0618,
20.8749

■ 24.1831, 20.4763,
24.5107

■ 26.7246, 24.5304,
28.5295

■ 29.6447, 29.2548,
32.9431

Harmonies

Analogous

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



14.7252, 7.8006, 17.1078



15.3723, 7.8006, 6.3257



13.4488, 7.8006, 1.6151

Triad

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



15.3723, 7.8006, 6.3257



4.2397, 7.8006, 0.7664



5.3125, 7.8006, 37.6341

Complementary

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



15.3723, 7.8006, 6.3257



14.2448, 25.5350, 13.8556

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.



3.5243, 7.8006, 24.5745



15.3723, 7.8006, 6.3257



3.0413, 7.8006, 3.4015

Square

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



15.3723, 7.8006, 6.3257



6.6126, 7.8006, 0.0000



2.8238, 7.8006, 11.1074



8.2782, 7.8006, 40.8402

Rectangle

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



15.3723, 7.8006, 6.3257



11.2229, 7.8006, 0.5385



2.8238, 7.8006, 11.1074



4.5824, 7.8006, 33.9522

Sweetspot

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



15.3725, 7.8011, 6.3258



43.0643, 36.2831, 43.4974



10.2318, 4.5521, 33.1403



9.3456, 7.6082, 9.2088



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.



15.3725, 7.8011, 6.3258



27.4359, 13.9324, 10.8313



14.3847, 7.5440, 0.6986



6.7466, 6.6916, 7.5166



12.1615, 6.1692, 5.1013



0.2383, 0.1186, 0.2010

Inverse Universe

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



15.3725, 7.8011, 6.3258



27.4359, 13.9324, 10.8313



17.3331, 24.6530, 36.6458



6.7466, 6.6916, 7.5166



12.1615, 6.1692, 5.1013



0.2383, 0.1186, 0.2010

Previews

White Background



This preview shows how the XYZ color 15.3723, 7.8006, 6.3257 looks on a white background.

Color Contrast Check

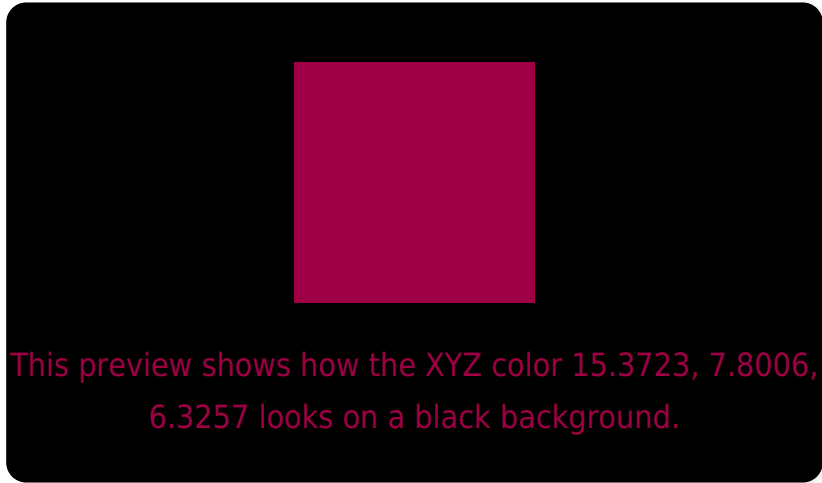
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3723, 7.8006, 6.3257

Background



This preview shows how black text looks on a background with the XYZ color 15.3723, 7.8006, 6.3257.



This preview shows how white text looks on a background with the XYZ color 15.3723, 7.8006,

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

15.3723, 7.8006, 6.3257

Protanopia

8.3846, 8.4247, 13.2408

Deuteranopia

8.4894, 8.4266, 5.7365



Tritanopia

14.5177, 8.0777, 1.8309

Trichromacy



Original Color

15.3723, 7.8006, 6.3257

Protanomaly

9.0946, 6.3031, 10.1885

Deuteranomaly

9.7025, 6.5848, 5.7606

Tritanomaly

14.7348, 7.8689, 2.9327

Monochromacy



Original Color

15.3723, 7.8006, 6.3257

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.9308, 3.8555, 4.7066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3723, 7.8006, 6.3257 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(159, 0, 69)` looks like.

```
.text, #text, p{  
    color:rgb(159, 0, 69)  
}
```

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(159, 0, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 69) }
```

Border

The CSS property to change the border of an element to XYZ 15.3723, 7.8006, 6.3257 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(159, 0, 69) }
```


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

```
.border{ border-color:rgb(159, 0, 69) }
```

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

Here you see how a box with a 4 pixel rgb(159, 0, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 0, 69);  
box-shadow:4px 4px 4px 4px rgb(159, 0, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.3723, 7.8006, 6.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 0, 69) }
```

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

```
.background{ background-color: rgb(159, 0,  
69) }
```

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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