

Converting Colors

XYZ(15.0247, 7.6410, 5.4236)

Have a look what the booklet for
XYZ(15.0247, 7.6410, 5.4236)
contains.

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Color

**XYZ(14.9978, 7.6280,
5.3845)**

Conversions

Conversions Part 1

Format	Color
Hex	9E003F
RGB	158, 0, 63
RGB Percent	62%, 0%, 25%
CMY	0.3804, 0.9999, 0.7529
CMYK	0.00, 1.00, 0.60, 0.38
HSL	336°, 100%, 31%
HSV	336°, 100%, 62%
XYZ	14.9978, 7.6280, 5.3845
YIQ	54.4240, 73.9450, 53.0890

Conversions

Conversions Part 2

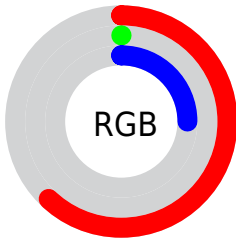
Format	Color
R_{YB}	158, 0, 63
Decimal	10354751
CIE _{Lab}	33.20, 58.14, 11.41
CIE _{LCh}	33, 59.246, 11.104
Yxy	7.6280, 0.5354, 0.2723
Android (android.graphics.Color)	4288544831 (0xFF9E003F)
YUV	54.4240, 4.2280, 90.8362
Hunter-Lab	27.6188, 48.5975, 7.7742

Details

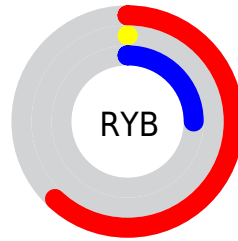
The XYZ color **14.9978, 7.6280, 5.3845** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.2937, 25.2805, 14.9581**, and the grayscale version is **3.5490, 3.7338, 4.0661**.

A 20% lighter version of the original color is **34.3124, 21.2001, 17.0354**, and **5.2904, 2.7106, 1.0034** is the 20% darker color. If you saturate the color by 10%, you get **14.9974, 7.6278, 5.3825**, and if you desaturate by 10%, it is **15.4693, 8.1089, 6.9669**.

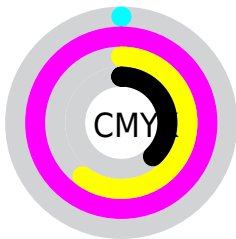
Distribution



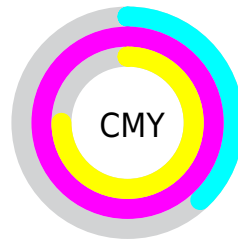
- Red (62%)
- Green (0%)
- Blue (25%)



- Red (62%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (38%)



- Cyan (38%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9978, 7.6280, 5.3845 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 14.9978, 7.6280, 5.3845 by changing the saturation by 10% instead.


 14.9978, 7.6280,
5.3845

 14.9978, 7.6280,
5.3845


216.7415,
172.7844, 162.5555


 8.9041, 3.8579,
2.4119


 34.4210, 21.2259,
17.0944


 4.7353, 1.5944,
0.7929

 48.4813, 31.8224,
26.6688


 2.1260, 0.3538,
0.0000

 65.9278, 45.4632,
39.2809

 0.7033, 0.0000,
0.0000


 87.1259, 62.5326,
55.3492

 0.0000, 0.0000,
0.0000

 112.4410, 83.4150,
75.2922

 142.2384,


108.4949, 99.5286


 176.8835,
138.1565, 128.4769


 14.9978, 7.6280,
5.3845


 14.9978, 7.6280,
5.3845


 14.9974, 7.6278,
5.3825

 15.4693, 8.1089,
6.9669

 16.1300, 8.8911,
8.8492

 17.0442, 10.1001,
11.0631

 18.2396, 11.7885,
13.6274

 19.7403, 14.0012,
16.5590

■ 21.5675, 16.7779,
19.8736

■ 23.7403, 20.1544,
23.5858

■ 26.2766, 24.1635,
27.7094

■ 29.1926, 28.8358,
32.2573

Harmonies

Analogous

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



14.6534, 7.6280, 15.3133



14.9978, 7.6280, 5.3845



12.8611, 7.6280, 1.3136

Triad

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



14.9978, 7.6280, 5.3845



3.9439, 7.6280, 0.8803



5.4548, 7.6280, 38.0504

Complementary

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



14.9978, 7.6280, 5.3845



14.2937, 25.2805, 14.9581

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.



3.5674, 7.6280, 25.8059



14.9978, 7.6280, 5.3845



2.8866, 7.6280, 3.8480

Square

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



14.9978, 7.6280, 5.3845



6.1417, 7.6280, 0.0000



2.7724, 7.6280, 12.1284



8.4846, 7.6280, 39.7642

Rectangle

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



14.9978, 7.6280, 5.3845



10.6011, 7.6280, 0.3750



2.7724, 7.6280, 12.1284



4.6922, 7.6280, 34.7602

Sweetspot

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



14.9980, 7.6285, 5.3846



42.8571, 36.2002, 42.4062



10.8713, 4.8918, 32.7189



9.2947, 7.5879, 8.9407



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.



14.9980, 7.6285, 5.3846



27.1426, 13.8151, 9.2868



14.2833, 7.6344, 0.7214



6.7371, 6.6878, 7.4668



12.0298, 6.1165, 4.4079



0.2353, 0.1175, 0.1854

Inverse Universe

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



14.9980, 7.6285, 5.3846



27.1426, 13.8151, 9.2868



15.8749, 21.8750, 35.7333



6.7371, 6.6878, 7.4668



12.0298, 6.1165, 4.4079



0.2353, 0.1175, 0.1854

Previews

White Background



This preview shows how the XYZ color 14.9978, 7.6280, 5.3845 looks on a white background.

Color Contrast Check

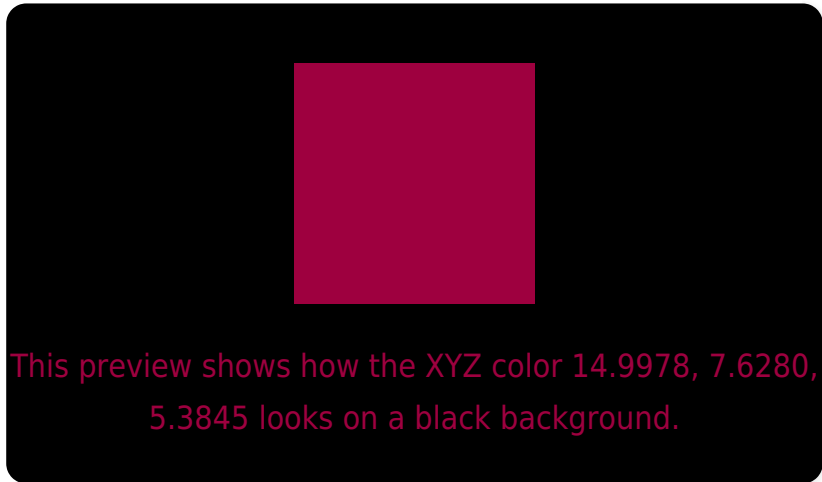
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9978, 7.6280, 5.3845

Background



This preview shows how black text looks on a background with the XYZ color 14.9978, 7.6280, 5.3845.



This preview shows how white text looks on a background with the XYZ color 14.9978, 7.6280,

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

14.9978, 7.6280, 5.3845

Protanopia

8.0986, 8.3198, 11.3043

Deuteranopia

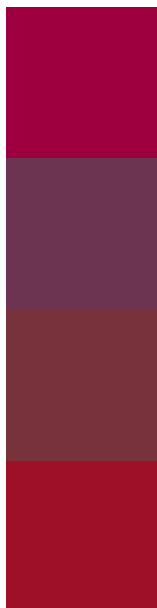
8.3680, 8.2757, 4.8977



Tritanopia

14.4171, 7.9293, 1.6348

Trichromacy



Original Color

14.9978, 7.6280, 5.3845

Protanomaly

8.8975, 6.2382, 8.5197

Deuteranomaly

9.5378, 6.5189, 4.8933

Tritanomaly

14.4398, 7.6786, 2.5548

Monochromacy



Original Color

14.9978, 7.6280, 5.3845

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.7242, 3.7148, 4.2862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9978, 7.6280, 5.3845 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, 0, 63)` looks like.

```
.text, #text, p{  
  color:rgb(158, 0, 63)  
}
```

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, 0, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 63) }
```

Border

The CSS property to change the border of an element to XYZ 14.9978, 7.6280, 5.3845 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, 0, 63) }
```


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

```
.border{ border-color:rgb(158, 0, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 0, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(158, 0, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.9978, 7.6280, 5.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 0, 63) }
```

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

```
.background{ background-color: rgb(158, 0,  
63) }
```

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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