

Converting Colors

XYZ(14.9647, 7.6378, 4.1764)

Have a look what the booklet for
XYZ(14.9647, 7.6378, 4.1764)
contains.

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Color

**XYZ(14.9639, 7.6373,
4.1755)**

Conversions

Conversions Part 1

Format	Color
Hex	9F0036
RGB	159, 0, 54
RGB Percent	62%, 0%, 21%
CMY	0.3765, 0.9999, 0.7882
CMYK	0.00, 1.00, 0.66, 0.38
HSL	340°, 100%, 31%
HSV	340°, 100%, 62%
XYZ	14.9639, 7.6373, 4.1755
YIQ	53.6970, 77.4300, 50.5020

Conversions

Conversions Part 2

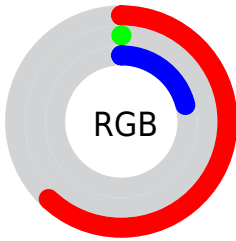
Format	Color
R_{YB}	159, 0, 54
Decimal	10420278
CIE _{Lab}	33.22, 57.85, 17.41
CIE _{LCh}	33, 60.411, 16.750
Yxy	7.6373, 0.5588, 0.2852
Android (android.graphics.Color)	4288610358 (0xFF9F0036)
YUV	53.6970, 0.1494, 92.3507
Hunter-Lab	27.6357, 48.2901, 10.3868

Details

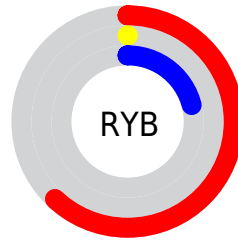
The XYZ color **14.9639, 7.6373, 4.1755** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.9495, 25.8166, 17.5667**, and the grayscale version is **3.4639, 3.6443, 3.9686**.

A 20% lighter version of the original color is **34.3999, 21.3046, 14.3557**, and **5.3159, 2.7335, 0.5640** is the 20% darker color. If you saturate the color by 10%, you get **14.9634, 7.6370, 4.1733**, and if you desaturate by 10%, it is **15.4219, 8.1152, 5.6793**.

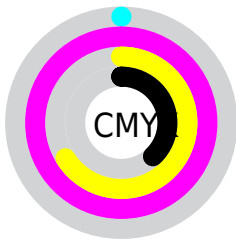
Distribution



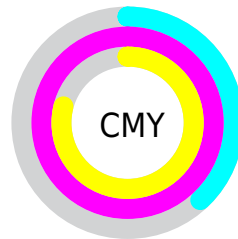
- Red (62%)
- Green (0%)
- Blue (21%)



- Red (62%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (38%)




- Cyan (38%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9639, 7.6373, 4.1755 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 14.9639, 7.6373, 4.1755 by changing the saturation by 10% instead.


 14.9639, 7.6373,
4.1755


 14.9639, 7.6373,
4.1755


216.5403,
172.8589, 150.1565


 8.8802, 3.8638,
1.7221


 34.3620, 21.2443,
14.4125


 4.7196, 1.5976,
0.3758

 48.4071, 31.8465,
23.0333


 2.1168, 0.3560,
0.0000

 65.8368, 45.4937,
34.5468

 0.6983, 0.0000,
0.0000


 87.0163, 62.5704,
49.3718


 0.0000, 0.0000,
0.0000

 112.3111, 83.4608,
67.9267

 142.0864,


108.5494, 90.6301


 176.7077,
138.2207, 117.9005


 14.9639, 7.6373,
4.1755


 14.9639, 7.6373,
4.1755


 14.9634, 7.6370,
4.1733

 15.4219, 8.1152,
5.6793

 16.0799, 8.9026,
7.5281

 17.0036, 10.1264,
9.7583

 18.2220, 11.8403,
12.3930

 19.7601, 14.0903,
15.4530

■ 21.6401, 16.9169,
18.9575

■ 23.8822, 20.3567,
22.9245

■ 26.5050, 24.4434,
27.3710

■ 29.5255, 29.2081,
32.3128

Harmonies

Analogous

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



15.1233, 7.6373, 13.0867



14.9639, 7.6373, 4.1755



12.3912, 7.6373, 0.9275

Triad

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



14.9639, 7.6373, 4.1755



3.6142, 7.6373, 1.1174



5.9284, 7.6373, 40.3509

Complementary

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



14.9639, 7.6373, 4.1755



14.9495, 25.8166, 17.5667

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.



3.7851, 7.6373, 29.1198



14.9639, 7.6373, 4.1755



2.7413, 7.6373, 4.8732

Square

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



14.9639, 7.6373, 4.1755



5.6144, 7.6373, 0.0000



2.7928, 7.6373, 14.5564



9.1970, 7.6373, 39.5514

Rectangle

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



14.9639, 7.6373, 4.1755



9.9925, 7.6373, 0.1233



2.7928, 7.6373, 14.5564



5.0759, 7.6373, 37.6355

Sweetspot

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



14.9641, 7.6378, 4.1756



42.5171, 36.0642, 40.6156



11.8930, 5.4086, 33.2177



9.2115, 7.5546, 8.5023



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.



14.9641, 7.6378, 4.1756



26.7161, 13.6445, 7.0409



14.6221, 8.0189, 0.7779



6.7214, 6.6815, 7.3838



11.8366, 6.0392, 3.3907



0.2304, 0.1155, 0.1593

Inverse Universe

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



14.9641, 7.6378, 4.1756



26.7161, 13.6445, 7.0409



14.9437, 19.8741, 35.8490



6.7214, 6.6815, 7.3838



11.8366, 6.0392, 3.3907



0.2304, 0.1155, 0.1593

Previews

White Background



This preview shows how the XYZ color 14.9639, 7.6373, 4.1755 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



This preview shows how the XYZ color 14.9639, 7.6373, 4.1755 looks on a 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 14.9639, 7.6373, 4.1755

Background



This preview shows how black text looks on a background with the XYZ color 14.9639, 7.6373, 4.1755.



This preview shows how white text looks on a background with the XYZ color 14.9639, 7.6373,

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

14.9639, 7.6373, 4.1755

Protanopia

7.9210, 8.2884, 8.5795

Deuteranopia

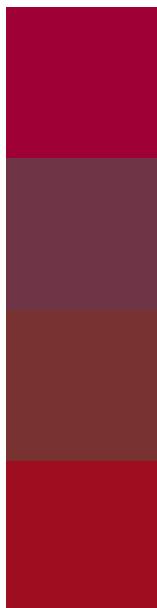
8.3831, 8.3067, 3.8508



Tritanopia

14.5050, 7.8899, 1.3745

Trichromacy



Original Color

14.9639, 7.6373, 4.1755

Protanomaly

8.8890, 6.2777, 6.5376

Deuteranomaly

9.6015, 6.5764, 3.7809

Tritanomaly

14.5183, 7.6875, 2.0851

Monochromacy



Original Color

14.9639, 7.6373, 4.1755

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.6515, 3.6857, 3.9036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9639, 7.6373, 4.1755 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, 54)` looks like.

```
.text, #text, p{  
    color:rgb(159, 0, 54)  
}
```

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, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 54) }
```

Border

The CSS property to change the border of an element to XYZ 14.9639, 7.6373, 4.1755 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, 54) }
```


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

```
.border{ border-color:rgb(159, 0, 54) }
```

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, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 0, 54);  
box-shadow:4px 4px 4px 4px rgb(159, 0, 54)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.9639, 7.6373, 4.1755 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, 54) }
```

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

```
.background{ background-color: rgb(159, 0,  
54) }
```

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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