

Converting Colors

XYZ(14.6010, 7.4716, 3.1926)

Have a look what the booklet for
XYZ(14.6010, 7.4716, 3.1926)
contains.

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Color

**XYZ(14.5742, 7.4586,
3.1541)**

Conversions

Conversions Part 1

Format	Color
Hex	9E002D
RGB	158, 0, 45
RGB Percent	62%, 0%, 18%
CMY	0.3804, 0.9999, 0.8235
CMYK	0.00, 1.00, 0.72, 0.38
HSL	343°, 100%, 31%
HSV	343°, 100%, 62%
XYZ	14.5742, 7.4586, 3.1541
YIQ	52.3720, 79.7230, 47.4910

Conversions

Conversions Part 2

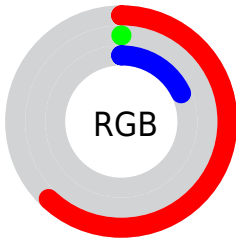
Format	Color
R_{YB}	158, 0, 45
Decimal	10354733
CIE Lab	32.83, 57.15, 22.76
CIE LCh	33, 61.518, 21.718
Yxy	7.4586, 0.5786, 0.2961
Android (android.graphics.Color)	4288544813 (0xFF9E002D)
YUV	52.3720, -3.6344, 92.6358
Hunter-Lab	27.3104, 47.4632, 12.2699

Details

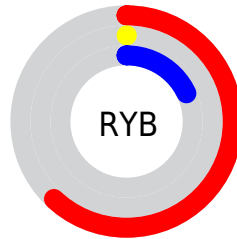
The XYZ color **14.5742, 7.4586, 3.1541** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.2092, 25.6465, 19.7790**, and the grayscale version is **3.3075, 3.4798, 3.7894**.

A 20% lighter version of the original color is **33.5750, 20.8304, 11.9239**, and **5.1456, 2.6526, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **14.5737, 7.4584, 3.1522**, and if you desaturate by 10%, it is **15.0044, 7.9230, 4.5187**.

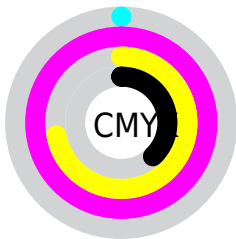
Distribution



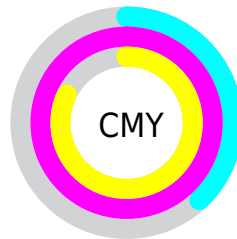
- Red (62%)
- Green (0%)
- Blue (18%)



- Red (62%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (38%)




- Cyan (38%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5742, 7.4586, 3.1541 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 14.5742, 7.4586, 3.1541 by changing the saturation by 10% instead.


 14.5742, 7.4586,
3.1541


 14.5742, 7.4586,
3.1541


214.2142,
171.4217, 138.2997


 8.6055, 3.7505,
1.1738


 33.6823, 20.8900,
12.0064

 4.5398, 1.5350,
0.0000

 47.5523, 31.3822,
19.7155


 2.0118, 0.3132,
0.0000

 64.7869, 44.9044,
30.1713

 0.6406, 0.0000,
0.0000


 85.7512, 61.8412,
43.7923

 0.0000, 0.0000,
0.0000

 110.8108, 82.5770,
60.9972


 140.3309,


107.4960, 82.2043


 174.6769,
136.9828, 107.8323

 14.5742, 7.4586,
3.1541


 14.5742, 7.4586,
3.1541


 14.5737, 7.4584,
3.1522

 15.0044, 7.9230,
4.5187

 15.6383, 8.6946,
6.2596

 16.5419, 9.8994,
8.4180

 17.7448, 11.5909,
11.0212

 19.2723, 13.8143,
14.0938

■ 21.1470, 16.6101,
17.6585

■ 23.3893, 20.0145,
21.7366

■ 26.0183, 24.0608,
26.3479

■ 29.0513, 28.7799,
31.5111

Harmonies

Analogous

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



15.1913, 7.4586, 10.9648



14.5742, 7.4586, 3.1541



11.6798, 7.4586, 0.5811

Triad

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



14.5742, 7.4586, 3.1541



3.2435, 7.4586, 1.3314



6.2310, 7.4586, 41.5477

Complementary

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



14.5742, 7.4586, 3.1541



15.2092, 25.6465, 19.7790

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.



3.8933, 7.4586, 31.6444



14.5742, 7.4586, 3.1541



2.5455, 7.4586, 5.8173

Square

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



14.5742, 7.4586, 3.1541



5.0287, 7.4586, 0.0000



2.7404, 7.4586, 16.6509



9.6472, 7.4586, 38.4283

Rectangle

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



14.5742, 7.4586, 3.1541



9.2234, 7.4586, 0.0000



2.7404, 7.4586, 16.6509



5.3125, 7.4586, 39.4667

Sweetspot

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



14.5744, 7.4591, 3.1542



42.2104, 35.9415, 39.0005



12.6780, 5.8233, 32.8033



9.1367, 7.5247, 8.1087



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.



14.5744, 7.4591, 3.1542



26.3909, 13.5144, 5.3285



14.6069, 8.2818, 0.8294



6.7068, 6.6757, 7.3073



11.6873, 5.9795, 2.6045



0.2258, 0.1136, 0.1351

Inverse Universe

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



14.5744, 7.4591, 3.1542



26.3909, 13.5144, 5.3285



13.6846, 17.4942, 35.0030



6.7068, 6.6757, 7.3073



11.6873, 5.9795, 2.6045



0.2258, 0.1136, 0.1351

Previews

White Background



This preview shows how the XYZ color 14.5742, 7.4586, 3.1541 looks on a white background.

Color Contrast Check

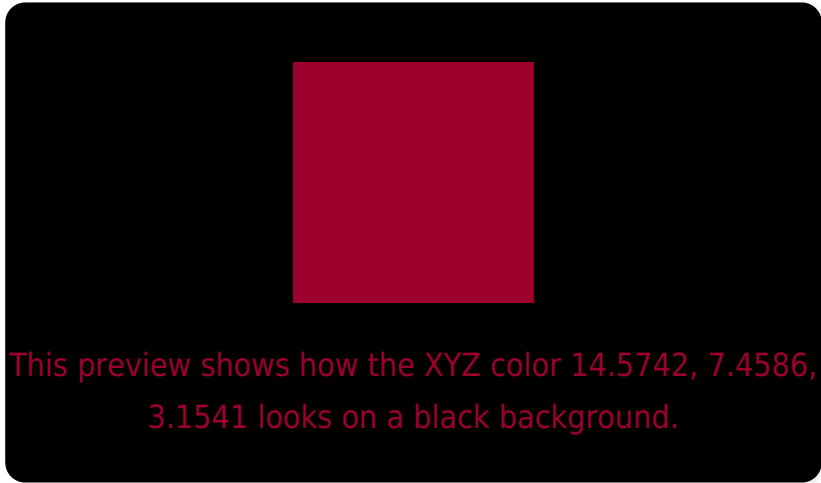
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5742, 7.4586, 3.1541

Background



This preview shows how black text looks on a background with the XYZ color 14.5742, 7.4586, 3.1541.

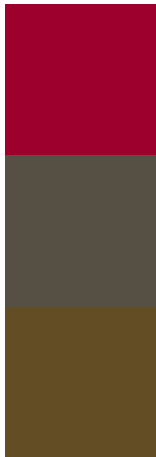


This preview shows how white text looks on a background with the XYZ color 14.5742, 7.4586,

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

14.5742, 7.4586, 3.1541

Protanopia

7.6281, 8.0739, 6.4666

Deuteranopia

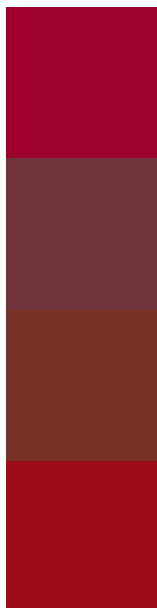
8.1334, 8.0940, 2.8839



Tritanopia

14.2002, 7.6324, 1.1402

Trichromacy



Original Color

14.5742, 7.4586, 3.1541

Protanomaly

8.6553, 6.1282, 4.8643

Deuteranomaly

9.2270, 6.3429, 2.7455

Tritanomaly

14.1998, 7.4776, 1.6146

Monochromacy



Original Color

14.5742, 7.4586, 3.1541

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.4126, 3.5336, 3.3025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5742, 7.4586, 3.1541 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(158, 0, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 45) }
```

Border

The CSS property to change the border of an element to XYZ 14.5742, 7.4586, 3.1541 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, 45) }
```


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

```
.border{ border-color:rgb(158, 0, 45) }
```

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, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 0, 45);  
box-shadow:4px 4px 4px 4px rgb(158, 0, 45)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.5742, 7.4586, 3.1541 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, 45) }
```

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

```
.background{ background-color: rgb(158, 0,  
45) }
```

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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