

Converting Colors

XYZ(13.7389, 4.4540, 4.9636)

Have a look what the booklet for
XYZ(13.7389, 4.4540, 4.9636)
contains.

XYZ(15.4226, 7.8437, 5.5516)	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(15.4226, 7.8437,
5.5516)**

Conversions

Conversions Part 1

Format	Color
Hex	A00040
RGB	160, 0, 64
RGB Percent	63%, 0%, 25%
CMY	0.3726, 0.9999, 0.7490
CMYK	0.00, 1.00, 0.60, 0.37
HSL	336°, 100%, 31%
HSV	336°, 100%, 63%
XYZ	15.4226, 7.8437, 5.5516
YIQ	55.1360, 74.8160, 53.8240

Conversions

Conversions Part 2

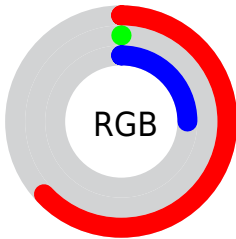
Format	Color
R_{YB}	160, 0, 64
Decimal	10485824
CIE Lab	33.66, 58.68, 11.45
CIE LCh	34, 59.791, 11.041
Yxy	7.8437, 0.5352, 0.2722
Android (android.graphics.Color)	4288675904 (0xFFA00040)
YUV	55.1360, 4.3700, 91.9657
Hunter-Lab	28.0066, 49.2843, 7.8519

Details

The XYZ color **15.4226, 7.8437, 5.5516** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.6833, 25.9866, 15.3134**, and the grayscale version is **3.6380, 3.8274, 4.1681**.

A 20% lighter version of the original color is **35.2725, 21.6887, 17.3662**, and **5.5116, 2.8246, 1.0138** is the 20% darker color. If you saturate the color by 10%, you get **15.4222, 7.8436, 5.5497**, and if you desaturate by 10%, it is **15.9054, 8.3338, 7.1787**.

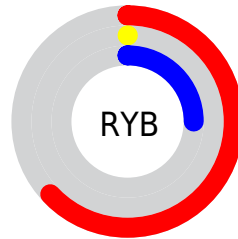
Distribution



Red (63%)

Green (0%)

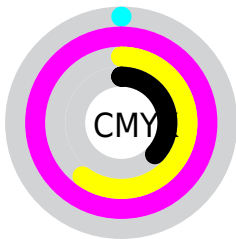
Blue (25%)



Red (63%)

Yellow (0%)

Blue (25%)

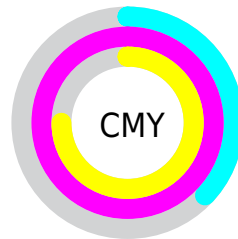


Cyan (0%)

Magenta (100%)

Yellow (60%)

Black (37%)



Cyan (37%)


Magenta (100%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.4226, 7.8437, 5.5516 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 15.4226, 7.8437, 5.5516 by changing the saturation by 10% instead.


 15.4226, 7.8437,
5.5516


 15.4226, 7.8437,
5.5516


219.2481,
174.5009, 164.1644


 9.2048, 3.9951,
2.5101


 35.1585, 21.6515,
17.4542


 4.9332, 1.6708,
0.8455

 49.4072, 32.3794,
27.1523


 2.2424, 0.4047,
0.0000

 67.0636, 46.1693,
39.9063

 0.7650, 0.0000,
0.0000

 88.4930, 63.4054,
56.1348

 0.0000, 0.0000,
0.0000

 114.0608, 84.4722,
76.2563

 144.1324,

109.7542, 100.6894

179.0730,
139.6356, 129.8526

15.4226, 7.8437,
5.5516

15.4226, 7.8437,
5.5516

15.4222, 7.8436,
5.5497

15.9054, 8.3338,
7.1787

16.5834, 9.1354,
9.1139

17.5221, 10.3760,
11.3897

18.7502, 12.1101,
14.0252

20.2923, 14.3840,
17.0379

■ 22.1705, 17.2386,
20.4440

■ 24.4045, 20.7109,
24.2583

■ 27.0127, 24.8348,
28.4951

■ 30.0118, 29.6417,
33.1677

Harmonies

Analogous

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



15.0629, 7.8437, 15.7730



15.4226, 7.8437, 5.5516



13.2304, 7.8437, 1.3556

Triad

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



15.4226, 7.8437, 5.5516



4.0593, 7.8437, 0.9039



5.6039, 7.8437, 39.1020

Complementary

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



15.4226, 7.8437, 5.5516



14.6833, 25.9866, 15.3134

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.



3.6659, 7.8437, 26.5004



15.4226, 7.8437, 5.5516



2.9699, 7.8437, 3.9462

Square

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



15.4226, 7.8437, 5.5516



6.3216, 7.8437, 0.0000



2.8506, 7.8437, 12.4459



8.7169, 7.8437, 40.8921

Rectangle

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



15.4226, 7.8437, 5.5516



10.9080, 7.8437, 0.3993



2.8506, 7.8437, 12.4459



4.8207, 7.8437, 35.7126

Sweetspot

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



15.4228, 7.8442, 5.5517



44.0532, 37.1997, 43.6153



11.1701, 5.0258, 33.6389



9.2965, 7.5886, 8.9503



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.



15.4228, 7.8442, 5.5517



27.9083, 14.2041, 9.5812



14.6828, 7.8447, 0.7409



6.7375, 6.6879, 7.4686



12.0343, 6.1183, 4.4318



0.2354, 0.1175, 0.1860

Inverse Universe

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



15.4228, 7.8442, 5.5517



27.9083, 14.2041, 9.5812



16.3189, 22.4853, 36.7376



6.7375, 6.6879, 7.4686



12.0343, 6.1183, 4.4318



0.2354, 0.1175, 0.1860

Previews

White Background



This preview shows how the XYZ color 15.4226, 7.8437, 5.5516 looks on a white background.

Color Contrast Check

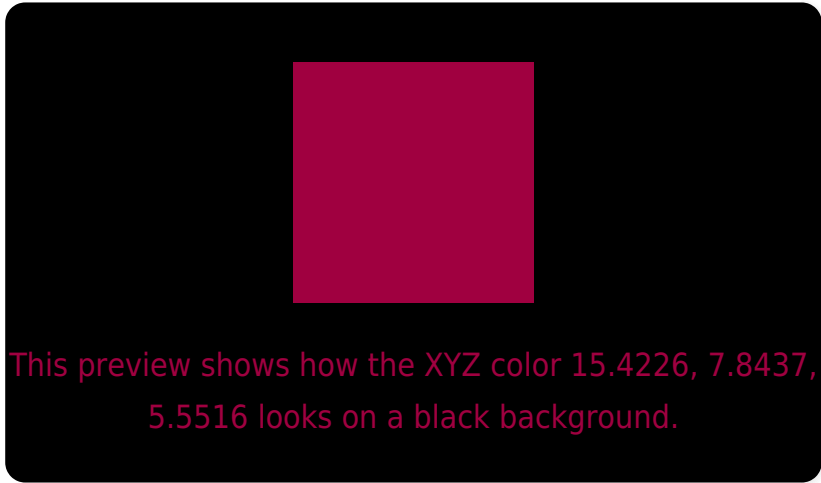
Large Text (above 18pt) WCAG AA ✓ Pass

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

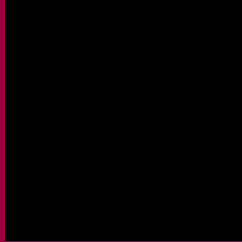
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4226, 7.8437, 5.5516

Background



This preview shows how black text looks on a background with the XYZ color 15.4226, 7.8437, 5.5516.



This preview shows how white text looks on a background with the XYZ color 15.4226, 7.8437,

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

15.4226, 7.8437, 5.5516

Protanopia

8.3013, 8.5304, 11.5649

Deuteranopia

8.5715, 8.4840, 5.0567



Tritanopia

14.8323, 8.1757, 1.6605

Trichromacy



Original Color

15.4226, 7.8437, 5.5516

Protanomaly

9.0577, 6.3164, 8.7244

Deuteranomaly

9.8414, 6.6724, 5.0442

Tritanomaly

14.8647, 7.9183, 2.6644

Monochromacy



Original Color

15.4226, 7.8437, 5.5516

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.8790, 3.8347, 4.4333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4226, 7.8437, 5.5516 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(160, 0, 64)` looks like.

```
.text, #text, p{  
    color:rgb(160, 0, 64)  
}
```

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(160, 0, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 0, 64) }
```

Border

The CSS property to change the border of an element to XYZ 15.4226, 7.8437, 5.5516 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(160, 0, 64) }
```


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

```
.border{ border-color:rgb(160, 0, 64) }
```

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

Here you see how a box with a 4 pixel rgb(160, 0, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 0, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 0, 64);  
box-shadow:4px 4px 4px 4px rgb(160, 0, 64)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.4226, 7.8437, 5.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 0, 64) }
```

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

```
.background{ background-color: rgb(160, 0,  
64) }
```

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