

Converting Colors

XYZ(13.6110, 8.6938, 4.7057)

Have a look what the booklet for
XYZ(13.6110, 8.6938, 4.7057)
contains.

XYZ(13.5747, 8.6729, 4.7000)	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(13.5747, 8.6729,
4.7000)**

Conversions

Conversions Part 1

Format	Color
Hex	913338
RGB	145, 51, 56
RGB Percent	57%, 20%, 22%
CMY	0.4314, 0.8000, 0.7804
CMYK	0.00, 0.65, 0.61, 0.43
HSL	357°, 48%, 38%
HSV	357°, 65%, 57%
XYZ	13.5747, 8.6729, 4.7000
YIQ	79.6760, 54.4190, 21.4830

Conversions

Conversions Part 2

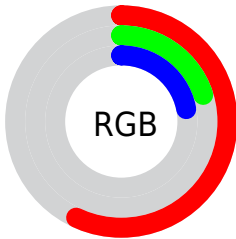
Format	Color
RYB	145, 51, 56
Decimal	9515832
CIELab	35.35, 40.03, 18.37
CIELCh	35, 44.049, 24.649
Yxy	8.6729, 0.5037, 0.3218
Android (android.graphics.Color)	4287705912 (0xFF913338)
YUV	79.6760, -11.6723, 57.2891
Hunter-Lab	29.4498, 30.7414, 11.1525

Details

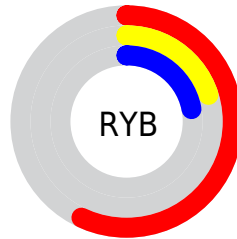
The XYZ color **13.5747, 8.6729, 4.7000** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.2248, 22.8483, 28.3677**, and the grayscale version is **7.5770, 7.9716, 8.6810**.

A 20% lighter version of the original color is **31.8282, 23.1785, 15.6283**, and **4.1991, 2.1556, 0.6102** is the 20% darker color. If you saturate the color by 10%, you get **12.7461, 7.4814, 2.9883**, and if you desaturate by 10%, it is **14.6934, 10.2974, 6.9630**.

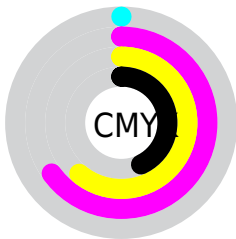
Distribution



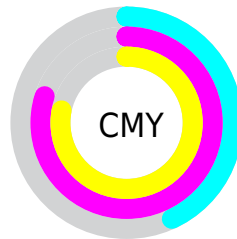
- Red (57%)
- Green (20%)
- Blue (22%)



- Red (57%)
- Yellow (20%)
- Blue (22%)



- Cyan (0%)
- Magenta (65%)
- Yellow (61%)
- Black (43%)




- Cyan (43%)
- Magenta (80%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.5747, 8.6729, 4.7000 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 13.5747, 8.6729, 4.7000 by changing the saturation by 10% instead.


 13.5747, 8.6729,
4.7000


 13.5747, 8.6729,
4.7000


208.1327,
180.9186, 155.7142


 7.9052, 4.5284,
2.0167

 31.9251, 23.2674,
15.5945


 4.0856, 1.9733,
0.5655

 45.3366, 34.4863,
24.6427


 1.7507, 0.5919,
0.0000

 62.0596, 48.8321,
36.6496

 0.4877, 0.0000,
0.0000

 82.4593, 66.6892,
52.0339

 0.0000, 0.0000,
0.0000

 106.9011, 88.4420,
71.2139

 135.7504,

114.4749, 94.6083

169.3725,
145.1723, 122.6356

■ 13.5747, 8.6729,
4.7000

■ 13.5747, 8.6729,
4.7000

■ 12.7461, 7.4814,
2.9883

■ 14.6934, 10.2974,
6.9630

■ 12.1802, 6.6802,
1.7804

■ 16.1252, 12.3895,
9.8185

■ 11.8434, 6.2166,
1.0207

■ 17.8913, 14.9819,
13.3043

■ 11.7192, 6.0366,
0.7688

■ 20.0110, 18.1041,
17.4551

■ 22.5020, 21.7830,
22.3028

■ 25.3811, 26.0441,
27.8774

■ 28.6637, 30.9111,
34.2072

■ 32.3646, 36.4063,
41.3188

■ 36.4978, 42.5509,
49.2377

Harmonies

Analogous

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



14.1790, 8.6729, 10.8197



13.5747, 8.6729, 4.7000



11.4315, 8.6729, 1.9809

Triad

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



13.5747, 8.6729, 4.7000



4.8453, 8.6729, 3.4102



7.7928, 8.6729, 31.5785

Complementary

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



13.5747, 8.6729, 4.7000



16.2248, 22.8483, 28.3677

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.



5.7110, 8.6729, 26.2372



13.5747, 8.6729, 4.7000



4.2498, 8.6729, 8.1889

Square

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



13.5747, 8.6729, 4.7000



6.3563, 8.6729, 1.5522



4.5303, 8.6729, 16.6265



10.4712, 8.6729, 28.9217

Rectangle

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



13.5747, 8.6729, 4.7000



9.6161, 8.6729, 1.3293



4.5303, 8.6729, 16.6265



7.0078, 8.6729, 30.6015

Sweetspot

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



13.5749, 8.6734, 4.7001



38.1737, 35.8711, 35.8133



16.8979, 9.8785, 27.8041



8.2410, 7.6091, 7.4781



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.5749, 8.6734, 4.7001



22.2843, 12.6268, 4.2058



16.0790, 13.8675, 4.9618



5.4198, 5.4284, 5.7086



10.0552, 5.1791, 0.6760



0.0980, 0.0503, 0.0162

Inverse Universe

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



13.5749, 8.6734, 4.7001



22.2843, 12.6268, 4.2058



11.4538, 12.7031, 28.6362



5.4198, 5.4284, 5.7086



10.0552, 5.1791, 0.6760



0.0980, 0.0503, 0.0162

Previews

White Background



This preview shows how the XYZ color 13.5747, 8.6729, 4.7000 looks on a white background.

Color Contrast Check

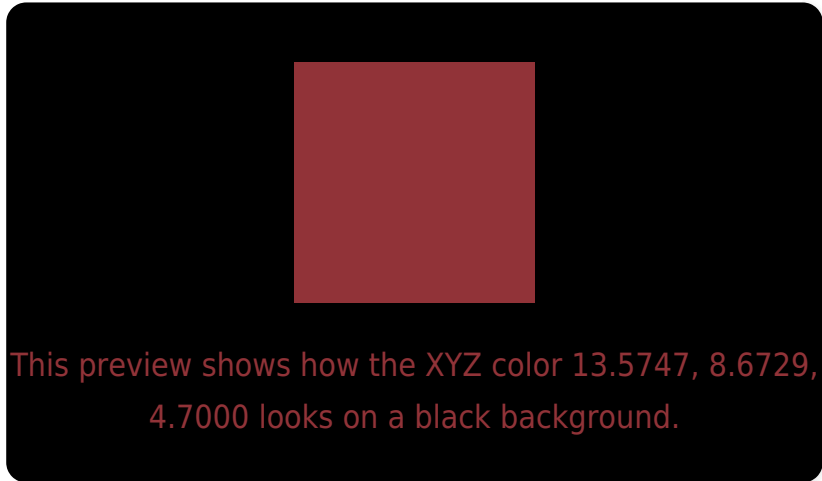
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5747, 8.6729, 4.7000

Background



This preview shows how black text looks on a background with the XYZ color 13.5747, 8.6729, 4.7000.



This preview shows how white text looks on a background with the XYZ color 13.5747, 8.6729,

4.7000.

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

13.5747, 8.6729, 4.7000

Protanopia

8.3956, 8.9067, 7.0710

Deuteranopia

8.9457, 8.8011, 4.3593



Tritanopia

13.5267, 8.6537, 4.4474

Trichromacy



Original Color

13.5747, 8.6729, 4.7000

Protanomaly

9.5782, 8.2676, 6.0920

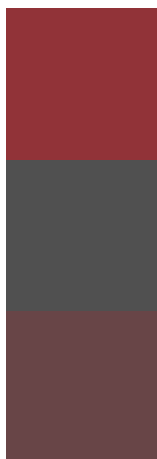
Deuteranomaly

10.2419, 8.3648, 4.4429

Tritanomaly

13.5505, 8.6632, 4.5724

Monochromacy



Original Color

13.5747, 8.6729, 4.7000

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

8.9744, 7.6542, 6.9656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5747, 8.6729, 4.7000 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(145, 51, 56)` looks like.

```
.text, #text, p{  
    color:rgb(145, 51, 56)  
}
```

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(145, 51, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 51, 56) }
```

Border

The CSS property to change the border of an element to XYZ 13.5747, 8.6729, 4.7000 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(145, 51, 56) }
```


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

```
.border{ border-color:rgb(145, 51, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 51, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 51, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 51, 56);  
box-shadow:4px 4px 4px 4px rgb(145, 51,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5747, 8.6729, 4.7000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 51, 56) }
```

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

```
.background{ background-color: rgb(145, 51,  
56) }
```

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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