

Converting Colors

XYZ(9.6630, 9.8517, 4.2097)

Have a look what the booklet for
XYZ(9.6630, 9.8517, 4.2097)
contains.

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Color

XYZ(9.6870, 9.8722, 4.1913)

Conversions

Conversions Part 1

Format	Color
Hex	695630
RGB	105, 86, 48
RGB Percent	41%, 34%, 19%
CMY	0.5882, 0.6627, 0.8118
CMYK	0.00, 0.18, 0.54, 0.59
HSL	40°, 37%, 30%
HSV	40°, 54%, 41%
XYZ	9.6870, 9.8722, 4.1913
YIQ	87.3490, 23.5220, -7.7900

Conversions

Conversions Part 2

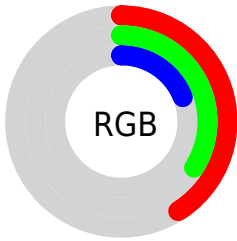
Format	Color
R_{YB}	77, 105, 48
Decimal	6903344
CIE _{Lab}	37.61, 2.47, 24.91
CIE _{LCh}	38, 25.027, 84.342
Yxy	9.8722, 0.4079, 0.4157
Android (android.graphics.Color)	4285093424 (0xFF695630)
YUV	87.3490, -19.3991, 15.4799
Hunter-Lab	31.4201, 0.0476, 14.0850

Details

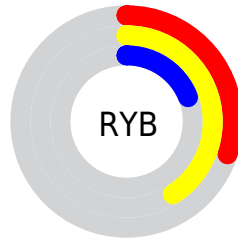
The XYZ color **9.6870, 9.8722, 4.1913** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.7759, 5.6625, 14.1532**, and the grayscale version is **9.1717, 9.6493, 10.5081**.

A 20% lighter version of the original color is **24.9703, 25.7036, 14.4717**, and **2.4293, 2.4288, 0.3695** is the 20% darker color. If you saturate the color by 10%, you get **9.2229, 9.2507, 3.0913**, and if you desaturate by 10%, it is **10.2166, 10.5425, 5.5666**.

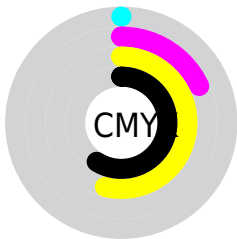
Distribution



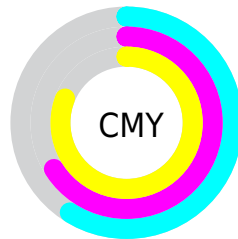
- Red (41%)
- Green (34%)
- Blue (19%)



- Red (30%)
- Yellow (41%)
- Blue (19%)



- Cyan (0%)
- Magenta (18%)
- Yellow (54%)
- Black (59%)



- Cyan (59%)
- Magenta (66%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6870, 9.8722, 4.1913 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 9.6870, 9.8722, 4.1913 by changing the saturation by 10% instead.

■ 9.6870, 9.8722,
4.1913

■ 9.6870, 9.8722,
4.1913

182.5240,
189.7575, 150.3285

■ 5.2526, 5.3143,
1.7309

■ 24.8601, 25.5548,
14.4486

■ 2.4325, 2.4328,
0.3818

■ 36.3296, 37.4484,
23.0826

■ 0.8613, 0.8427,
0.0000

■ 50.8748, 52.5559,
34.6114

■ 0.0000, 0.0000,
0.0000

■ 68.8610, 71.2619,
49.4538

■ 90.6537, 93.9506,
68.0281

■ 116.6182,

121.0065, 90.7530

147.1199,
152.8140, 118.0469

■ 9.6870, 9.8722,
4.1913

■ 9.6870, 9.8722,
4.1913

■ 9.2229, 9.2507,
3.0913

■ 10.2166, 10.5425,
5.5666

■ 8.8198, 8.6749,
2.2466

■ 10.8144, 11.2620,
7.2342

■ 8.4734, 8.1430,
1.6352

■ 11.4841, 12.0327,
9.2104

■ 8.1762, 7.6517,
1.2183

■ 12.2285, 12.8560,
11.5101

■ 8.0161, 7.3841,
1.0028

■ 13.0505, 13.7335,
14.1472

■ 13.9528, 14.6665,
17.1349

■ 14.9378, 15.6561,
20.4854

■ 16.0079, 16.7038,
24.2108

■ 17.1656, 17.8106,
28.3221

Harmonies

Analogous

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



11.2750, 9.8722, 5.1012



9.6870, 9.8722, 4.1913



8.1819, 9.8722, 4.5952

Triad

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



9.6870, 9.8722, 4.1913



6.8707, 9.8722, 14.7646



12.0847, 9.8722, 16.6845

Complementary

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



9.6870, 9.8722, 4.1913



5.7759, 5.6625, 14.1532

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.



10.6968, 9.8722, 20.8278



9.6870, 9.8722, 4.1913



7.7159, 9.8722, 19.5185

Square

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



9.6870, 9.8722, 4.1913



6.6646, 9.8722, 9.9112



9.0859, 9.8722, 21.9891



12.7558, 9.8722, 11.6331

Rectangle

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



9.6870, 9.8722, 4.1913



7.4096, 9.8722, 5.6359



9.0859, 9.8722, 21.9891



11.6794, 9.8722, 18.2806

Sweetspot

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



9.6872, 9.8727, 4.1915



21.5949, 22.6913, 19.6636



7.8959, 5.5225, 5.9601



5.0129, 5.2653, 4.4639



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



9.6872, 9.8727, 4.1915



16.3179, 16.2901, 5.1017



10.3566, 12.7764, 4.7167



3.2524, 3.4220, 3.3065



10.1154, 9.2806, 1.2582



50.7208, 45.6451, 6.1371

Inverse Universe

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



5.7759, 5.6625, 14.1532



8.5202, 7.9120, 25.0091



5.3229, 4.0186, 13.8598



3.0232, 3.1747, 3.8883



3.9572, 2.7488, 17.2442



19.4375, 12.5535, 87.6248

Previews

White Background



This preview shows how the XYZ color 9.6870, 9.8722, 4.1913 looks on a white background.

Color Contrast Check

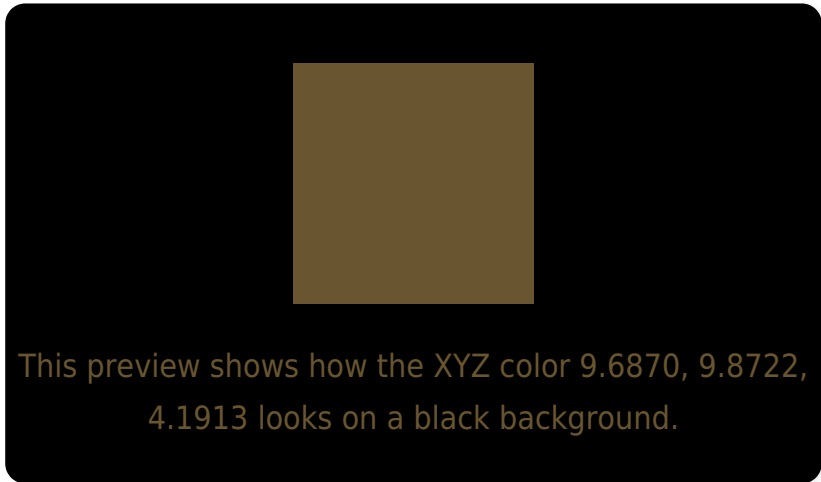
Large Text (above 18pt) WCAG AA ✓ Pass

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

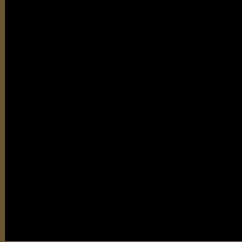
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.6870, 9.8722, 4.1913

Background



This preview shows how black text looks on a background with the XYZ color 9.6870, 9.8722, 4.1913.



This preview shows how white text looks on a background with the XYZ color 9.6870, 9.8722, 4.1913.

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

9.6870, 9.8722, 4.1913

Protanopia

9.1638, 9.9632, 4.3458

Deuteranopia

9.9663, 9.8985, 4.1816



Tritanopia

10.8882, 9.7776, 10.5459

Trichromacy



Original Color

9.6870, 9.8722, 4.1913

Protanomaly

9.4109, 9.9679, 4.3337

Deuteranomaly

9.8454, 9.8362, 4.1760

Tritanomaly

10.3593, 9.7934, 7.6476

Monochromacy



Original Color

9.6870, 9.8722, 4.1913

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.2269, 9.6771, 7.6849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6870, 9.8722, 4.1913 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(105, 86, 48)` looks like.

```
.text, #text, p{  
    color:rgb(105, 86, 48)  
}
```

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(105, 86, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 86, 48) }
```

Border

The CSS property to change the border of an element to XYZ 9.6870, 9.8722, 4.1913 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(105, 86, 48) }
```

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

```
.border{ border-color:rgb(105, 86, 48) }
```

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

Here you see how a box with a 4 pixel rgb(105, 86, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 86, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 86, 48);  
box-shadow:4px 4px 4px 4px rgb(105, 86,  
48) }
```


Background

The CSS property to change the background color of an element to XYZ 9.6870, 9.8722, 4.1913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 86, 48) }
```

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

```
.background{ background-color: rgb(105, 86,  
48) }
```

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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