

Converting Colors

XYZ(13.9917, 11.3657, 7.1873)

Have a look what the booklet for
XYZ(13.9917, 11.3657, 7.1873)
contains.

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Color

**XYZ(13.9658, 11.3304,
7.2453)**

Conversions

Conversions Part 1

Format	Color
Hex	875046
RGB	135, 80, 70
RGB Percent	53%, 31%, 27%
CMY	0.4706, 0.6863, 0.7255
CMYK	0.00, 0.41, 0.48, 0.47
HSL	9°, 32%, 40%
HSV	9°, 48%, 53%
XYZ	13.9658, 11.3304, 7.2453
YIQ	95.3050, 35.9900, 8.5500

Conversions

Conversions Part 2

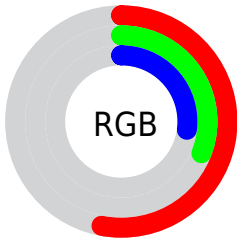
Format	Color
R_{YB}	135, 82, 70
Decimal	8867910
CIE Lab	40.13, 21.90, 15.73
CIE LCh	40, 26.963, 35.697
Yxy	11.3304, 0.4292, 0.3482
Android (android.graphics.Color)	4287057990 (0xFF875046)
YUV	95.3050, -12.4754, 34.8125
Hunter-Lab	33.6607, 15.1535, 10.8006

Details

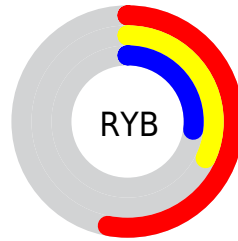
The XYZ color **13.9658, 11.3304, 7.2453** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.2322, 17.7178, 25.5913**, and the grayscale version is **10.9737, 11.5451, 12.5727**.

A 20% lighter version of the original color is **32.4879, 28.2204, 20.8743**, and **4.2495, 3.0170, 1.3953** is the 20% darker color. If you saturate the color by 10%, you get **12.8202, 9.6463, 4.9922**, and if you desaturate by 10%, it is **15.3500, 13.3384, 10.0509**.

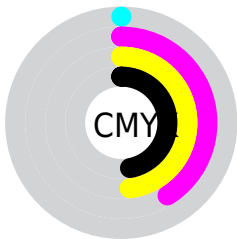
Distribution



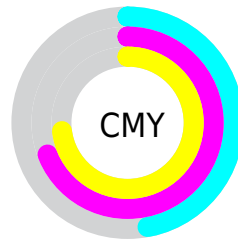
- Red (53%)
- Green (31%)
- Blue (27%)



- Red (53%)
- Yellow (32%)
- Blue (27%)



- Cyan (0%)
- Magenta (41%)
- Yellow (48%)
- Black (47%)





- Cyan (47%)
- Magenta (69%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.9658, 11.3304, 7.2453 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 13.9658, 11.3304, 7.2453 by changing the saturation by 10% instead.


 13.9658, 11.3304,
7.2453

 13.9658, 11.3304,
7.2453


210.5328,
199.9205, 179.3942


 8.1784, 6.2895,
3.5352

 32.6151, 28.2695,
20.9862


 4.2621, 3.0219,
1.3740

 46.2077, 40.9366,
31.8542

 1.8515, 1.1432,
0.1213

 63.1329, 56.9145,
45.9451

 0.5484, 0.0146,
0.0000

 83.7558, 76.5876,
63.6776

 0.0000, 0.0000,
0.0000

 108.4419,
100.3404, 85.4703

137.5565,

128.5572, 111.7415

171.4651,
161.6224, 142.9100

■ 13.9658, 11.3304,
7.2453

■ 13.9658, 11.3304,
7.2453

■ 12.8202, 9.6463,
4.9922

■ 15.3500, 13.3384,
10.0509

■ 11.8987, 8.2673,
3.2542

■ 16.9845, 15.6844,
13.4417

■ 11.1864, 7.1756,
1.9906


■ 18.8814, 18.3835,
17.4484


■ 10.6662, 6.3504,
1.1538


■ 21.0515, 21.4496,
22.0997


■ 10.3096, 5.7649,
0.6412


■ 23.5051, 24.8957,
27.4222

 10.2557, 5.6790,
0.5556

 26.2521, 28.7343,
33.4411

 29.3018, 32.9773,
40.1804

 32.6629, 37.6360,
47.6628

 36.3442, 42.7213,
55.9101

Harmonies

Analogous

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



14.7638, 11.3304, 11.3413



13.9658, 11.3304, 7.2453



12.3200, 11.3304, 5.1235

Triad

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



13.9658, 11.3304, 7.2453



7.8098, 11.3304, 8.5611



11.1306, 11.3304, 25.7048

Complementary

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



13.9658, 11.3304, 7.2453



14.2322, 17.7178, 25.5913

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.



9.3543, 11.3304, 24.3227



13.9658, 11.3304, 7.2453



7.5691, 11.3304, 13.3890

Square

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



13.9658, 11.3304, 7.2453



8.8020, 11.3304, 5.7146



8.1019, 11.3304, 19.3847



13.0096, 11.3304, 22.7486

Rectangle

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



13.9658, 11.3304, 7.2453



11.0416, 11.3304, 4.6466



8.1019, 11.3304, 19.3847



10.5013, 11.3304, 25.7404

Sweetspot

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



13.9661, 11.3310, 7.2455



35.2442, 34.9476, 34.3013



15.8995, 11.0184, 20.7746



7.9955, 7.8576, 7.5875



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.9661, 11.3310, 7.2455



22.7487, 16.9630, 8.5359



16.9189, 17.2367, 8.2298



4.7262, 4.7960, 4.9060



9.4640, 5.2506, 0.5147



0.0362, 0.0250, 0.0029

Inverse Universe

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



14.2322, 17.7178, 25.5913



23.2611, 29.8111, 45.5765



10.7915, 10.8364, 24.4444



4.7422, 5.1601, 5.9468



9.6124, 12.7727, 23.0954



0.0374, 0.0524, 0.0814

Previews

White Background



This preview shows how the XYZ color 13.9658, 11.3304, 7.2453 looks on a white background.

Color Contrast Check

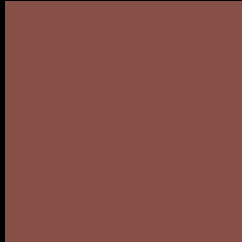
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 13.9658, 11.3304, 7.2453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9658, 11.3304, 7.2453

Background



This preview shows how black text looks on a background with the XYZ color 13.9658, 11.3304, 7.2453.

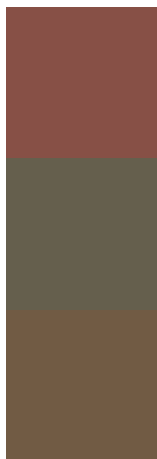


This preview shows how white text looks on a background with the XYZ color 13.9658, 11.3304,

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

13.9658, 11.3304, 7.2453

Protanopia

10.7986, 11.4869, 8.6692

Deuteranopia

11.5945, 11.4102, 7.0601



Tritanopia

14.4780, 11.3231, 9.8100

Trichromacy



Original Color

13.9658, 11.3304, 7.2453

Protanomaly

11.7022, 11.3175, 8.0463

Deuteranomaly

12.3675, 11.3110, 7.1616

Tritanomaly

14.3606, 11.3907, 8.8389

Monochromacy



Original Color

13.9658, 11.3304, 7.2453

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.7663, 11.2992, 10.3649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9658, 11.3304, 7.2453 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(135, 80, 70)` looks like.

```
.text, #text, p{  
    color:rgb(135, 80, 70)  
}
```

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(135, 80, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 80, 70) }
```

Border

The CSS property to change the border of an element to XYZ 13.9658, 11.3304, 7.2453 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(135, 80, 70) }
```


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

```
.border{ border-color:rgb(135, 80, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 80, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 80, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 80, 70);  
box-shadow:4px 4px 4px 4px rgb(135, 80,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9658, 11.3304, 7.2453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 80, 70) }
```

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

```
.background{ background-color: rgb(135, 80,  
70) }
```

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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