

Converting Colors

XYZ(13.5681, 7.1056, 6.4849)

Have a look what the booklet for
XYZ(13.5681, 7.1056, 6.4849)
contains.

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Color

**XYZ(13.4753, 7.0522,
6.4453)**

Conversions

Conversions Part 1

Format	Color
Hex	940E46
RGB	148, 14, 70
RGB Percent	58%, 5%, 27%
CMY	0.4196, 0.9450, 0.7255
CMYK	0.00, 0.91, 0.53, 0.42
HSL	335°, 83%, 32%
HSV	335°, 91%, 58%
XYZ	13.4753, 7.0522, 6.4453
YIQ	60.4500, 61.8880, 45.8240

Conversions

Conversions Part 2

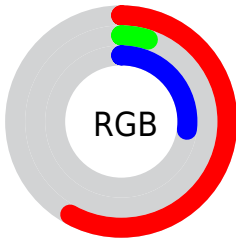
Format	Color
RYB	148, 14, 70
Decimal	9702982
CIELab	31.93, 54.14, 4.68
CIElCh	32, 54.344, 4.945
Yxy	7.0522, 0.4996, 0.2615
Android (android.graphics.Color)	4287893062 (0xFF940E46)
YUV	60.4500, 4.7081, 76.7814
Hunter-Lab	26.5560, 44.1033, 4.1991

Details

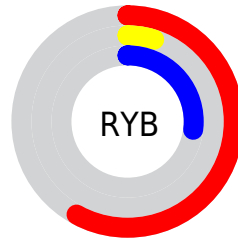
The XYZ color **13.4753, 7.0522, 6.4453** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.7038, 22.0463, 13.7149**, and the grayscale version is **4.3466, 4.5730, 4.9800**.

A 20% lighter version of the original color is **31.7265, 20.0222, 19.3320**, and **4.5122, 2.3033, 1.2437** is the 20% darker color. If you saturate the color by 10%, you get **13.0778, 6.6419, 5.1272**, and if you desaturate by 10%, it is **14.0450, 7.7246, 8.0748**.

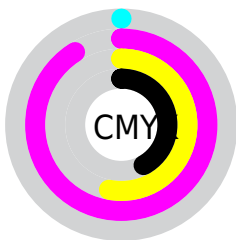
Distribution



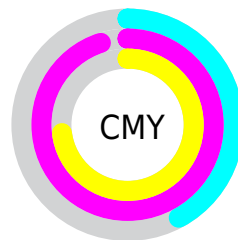
- Red (58%)
- Green (5%)
- Blue (27%)



- Red (58%)
- Yellow (5%)
- Blue (27%)



- Cyan (0%)
- Magenta (91%)
- Yellow (53%)
- Black (42%)




- Cyan (42%)
- Magenta (95%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4753, 7.0522, 6.4453 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 13.4753, 7.0522, 6.4453 by changing the saturation by 10% instead.


 13.4753, 7.0522,
6.4453


 13.4753, 7.0522,
6.4453


207.5184,
168.0967, 172.4237


 7.8359, 3.4948,
3.0446


 31.7492, 20.0781,
19.3418


 4.0410, 1.3952,
1.1174

 45.1144, 30.3154,
29.6746


 1.7254, 0.2132,
0.0000

 61.7855, 43.5482,
43.1552

 0.4721, 0.0000,
0.0000

 82.1280, 60.1607,
60.2021

 0.0000, 0.0000,
0.0000

 106.5072, 80.5374,
81.2339

 135.2884,

105.0627, 106.6690


 168.8370,
134.1210, 136.9261


 13.4753, 7.0522,
6.4453


 13.4753, 7.0522,
6.4453


 13.0778, 6.6419,
5.1272

 14.0450, 7.7246,
8.0748

 14.8290, 8.7608,
9.9760

 15.8512, 10.2059,
12.1642

 17.1319, 12.0985,
14.6529

 18.6890, 14.4722,
17.4548

■ 20.5388, 17.3576,
20.5816

■ 22.6964, 20.7828,
24.0443

■ 25.1756, 24.7737,
27.8534

■ 27.9895, 29.3545,
32.0189

Harmonies

Analogous

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



12.7280, 7.0522, 16.0475



13.4753, 7.0522, 6.4453



12.0415, 7.0522, 1.8593

Triad

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



13.4753, 7.0522, 6.4453



4.1065, 7.0522, 0.7339



4.7029, 7.0522, 31.2046

Complementary

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



13.4753, 7.0522, 6.4453



12.7038, 22.0463, 13.7149

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.



3.2345, 7.0522, 20.0363



13.4753, 7.0522, 6.4453



2.9620, 7.0522, 2.8838

Square

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



13.4753, 7.0522, 6.4453



6.2572, 7.0522, 0.0630



2.6932, 7.0522, 9.0601



7.1693, 7.0522, 34.8228

Rectangle

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



13.4753, 7.0522, 6.4453



10.2235, 7.0522, 0.7381



2.6932, 7.0522, 9.0601



4.1005, 7.0522, 27.9561

Sweetspot

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



13.4755, 7.0526, 6.4454



37.3200, 32.3318, 38.0792



9.7132, 4.6233, 28.3974



8.2668, 6.9820, 8.2802



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.4755, 7.0526, 6.4454



22.9935, 11.6867, 8.6161



12.5975, 6.9384, 1.0914



5.8953, 5.8532, 6.5548



11.1836, 5.6785, 4.4480



0.1510, 0.0752, 0.1289

Inverse Universe

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



13.4755, 7.0526, 6.4454



22.9935, 11.6867, 8.6161



14.7691, 20.7165, 31.2372



5.8953, 5.8532, 6.5548



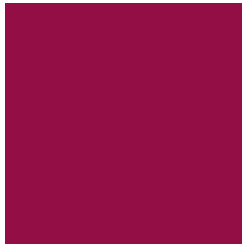
11.1836, 5.6785, 4.4480



0.1510, 0.0752, 0.1289

Previews

White Background



This preview shows how the XYZ color 13.4753, 7.0522, 6.4453 looks on a white background.

Color Contrast Check

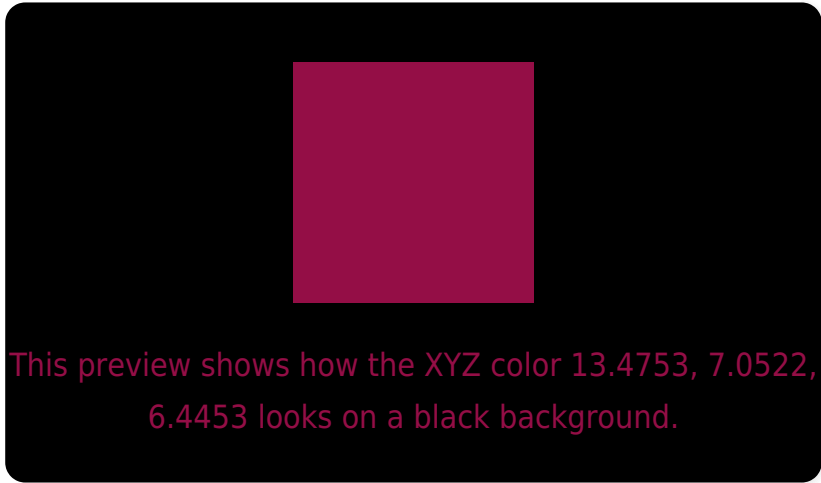
Large Text (above 18pt) WCAG AA ✓ Pass

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

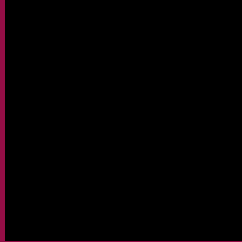
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4753, 7.0522, 6.4453

Background



This preview shows how black text looks on a background with the XYZ color 13.4753, 7.0522, 6.4453.



This preview shows how white text looks on a background with the XYZ color 13.4753, 7.0522, 6.4453.

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

13.4753, 7.0522, 6.4453

Protanopia

7.4832, 7.4286, 13.0960

Deuteranopia

7.4940, 7.3916, 5.8822



Tritanopia

12.5527, 7.1333, 1.9436

Trichromacy



Original Color

13.4753, 7.0522, 6.4453

Protanomaly

8.2219, 5.9201, 10.1606

Deuteranomaly

8.6418, 6.1643, 5.8886

Tritanomaly

12.8329, 7.0458, 3.1662

Monochromacy



Original Color

13.4753, 7.0522, 6.4453

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.2029, 4.3732, 5.3677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4753, 7.0522, 6.4453 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(148, 14, 70)` looks like.

```
.text, #text, p{  
    color:rgb(148, 14, 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(148, 14, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 14, 70) }
```

Border

The CSS property to change the border of an element to XYZ 13.4753, 7.0522, 6.4453 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(148, 14, 70) }
```


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

```
.border{ border-color:rgb(148, 14, 70) }
```

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

Here you see how a box with a 4 pixel rgb(148, 14, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 14, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 14, 70);  
box-shadow:4px 4px 4px 4px rgb(148, 14,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4753, 7.0522, 6.4453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 14, 70) }
```

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

```
.background{ background-color: rgb(148, 14,  
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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