

Converting Colors

XYZ(14.7266, 12.9974, 20.2754)

Have a look what the booklet for
XYZ(14.7266, 12.9974, 20.2754)
contains.

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Color

**XYZ(14.7633, 13.0158,
20.1465)**

Conversions

Conversions Part 1

Format	Color
Hex	755D7A
RGB	117, 93, 122
RGB Percent	46%, 36%, 48%
CMY	0.5412, 0.6353, 0.5216
CMYK	0.04, 0.24, 0.00, 0.52
HSL	290°, 13%, 42%
HSV	290°, 24%, 48%
XYZ	14.7633, 13.0158, 20.1465
YIQ	103.4820, 4.9950, 14.1070

Conversions

Conversions Part 2

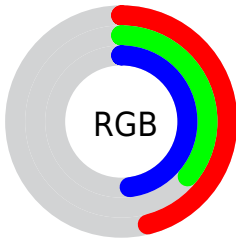
Format	Color
R_{YB}	117, 93, 122
Decimal	7691642
CIE _{Lab}	42.79, 15.38, -12.61
CIE _{LCh}	43, 19.888, 320.654
Yxy	13.0158, 0.3080, 0.2716
Android (android.graphics.Color)	4285881722 (0xFF755D7A)
YUV	103.4820, 9.1294, 11.8553
Hunter-Lab	36.0774, 9.9088, -7.8548

Details

The XYZ color **14.7633, 13.0158, 20.1465** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **13.9729, 17.3064, 12.9607**, and the grayscale version is **12.9959, 13.6727, 14.8895**.

A 20% lighter version of the original color is **33.8246, 31.1359, 44.2715**, and **4.6030, 3.7430, 6.7832** is the 20% darker color. If you saturate the color by 10%, you get **13.4974, 10.8986, 19.8048**, and if you desaturate by 10%, it is **16.2072, 15.4791, 20.5461**.

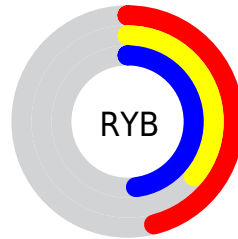
Distribution



Red (46%)

Green (36%)

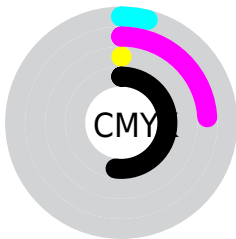
Blue (48%)



Red (46%)

Yellow (36%)

Blue (48%)

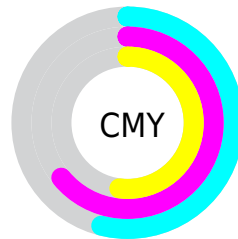


Cyan (4%)

Magenta (24%)

Yellow (0%)

Black (52%)



Cyan (54%)

Magenta (64%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7633, 13.0158, 20.1465 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 14.7633, 13.0158, 20.1465 by changing the saturation by 10% instead.

■ 14.7633, 13.0158,
20.1465

■ 14.7633, 13.0158,
20.1465

215.3459,
211.0189, 265.3375

■ 8.7387, 7.4394,
12.3164

■ 34.0125, 31.3322,
44.5249

■ 4.6269, 3.7384,
6.8344

■ 47.9677, 44.8409,
61.9102

■ 2.0625, 1.5283,
3.2819

■ 65.2972, 61.7627,
83.3178

■ 0.6687, 0.3085,
1.2403

■ 86.3663, 82.4817,
109.1661

■ 0.0000, 0.0000,
0.0121

111.5404,
107.3824, 139.8737

■ 0.0000, 0.0000,
0.0000

141.1848,

136.8493, 175.8591

175.6649,
171.2666, 217.5409

■ 14.7633, 13.0158,
20.1465

■ 14.7633, 13.0158,
20.1465

■ 13.4974, 10.8986,
19.8048

■ 16.2072, 15.4791,
20.5461

■ 12.4002, 9.1097,
19.5173

■ 17.8356, 18.3019,
21.0051

■ 11.4632, 7.6321,
19.2815

■ 19.6559, 21.4990,
21.5263

■ 10.6770, 6.4467,
19.0941

■ 21.6748, 25.0840,
22.1118

■ 10.0308, 5.5321,
18.9516

■ 23.8989, 29.0694,
22.7639

■ 9.5126, 4.8643,
18.8500

■ 26.3342, 33.4676,
23.4844

■ 9.1061, 4.4111,
18.7840

■ 28.9866, 38.2902,
24.2755

■ 8.8757, 4.1698,
18.7496

■ 31.8617, 43.5484,
25.1389

■ 34.9650, 49.2530,
26.0764

Harmonies

Analogous

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



13.4273, 13.0158, 23.4994



14.7633, 13.0158, 20.1465



15.4738, 13.0158, 15.5705

Triad

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



14.7633, 13.0158, 20.1465



12.8503, 13.0158, 7.4312



9.8407, 13.0158, 17.3229

Complementary

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



14.7633, 13.0158, 20.1465



13.9729, 17.3064, 12.9607

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.



9.7137, 13.0158, 12.8599



14.7633, 13.0158, 20.1465



11.3719, 13.0158, 7.7112

Square

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



14.7633, 13.0158, 20.1465



14.3114, 13.0158, 8.6500



10.2524, 13.0158, 9.5135



10.6147, 13.0158, 21.6520

Rectangle

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



14.7633, 13.0158, 20.1465



15.4604, 13.0158, 12.6850



10.2524, 13.0158, 9.5135



9.7235, 13.0158, 15.7709

Sweetspot

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



14.7637, 13.0164, 20.1468



30.3665, 30.4368, 36.6673



12.4250, 12.5277, 20.1757



6.9163, 6.9124, 8.3764



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



14.7637, 13.0164, 20.1468



24.6156, 20.6184, 35.0753



14.9111, 13.1550, 17.3224



4.0899, 4.0442, 5.0082



9.3386, 4.3870, 19.7399



43.9142, 20.6006, 94.1316

Inverse Universe

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



14.1455, 12.8488, 13.2906



23.3418, 20.2829, 20.5039



13.8816, 17.2095, 15.2088



4.0239, 4.0253, 4.3236



8.5906, 4.4124, 1.1351



40.7539, 20.9579, 4.2341

Previews

White Background



This preview shows how the XYZ color 14.7633, 13.0158, 20.1465 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 14.7633, 13.0158, 20.1465 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 14.7633, 13.0158, 20.1465

Background



This preview shows how black text looks on a background with the XYZ color 14.7633, 13.0158, 20.1465.



This preview shows how white text looks on a background with the XYZ color 14.7633, 13.0158,

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

14.7633, 13.0158, 20.1465

Protanopia

13.1073, 13.0795, 21.9125

Deuteranopia

13.2799, 13.0709, 19.9122



Tritanopia

13.6210, 12.9426, 14.8770

Trichromacy



Original Color

14.7633, 13.0158, 20.1465

Protanomaly

13.5699, 12.9136, 21.1794

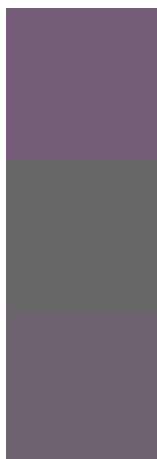
Deuteranomaly

13.7893, 13.0557, 19.8824

Tritanomaly

14.0317, 12.9770, 16.8042

Monochromacy



Original Color

14.7633, 13.0158, 20.1465

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.4607, 13.2376, 16.5975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7633, 13.0158, 20.1465 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(117, 93, 122)` looks like.

```
.text, #text, p{  
  color:rgb(117, 93, 122)  
}
```

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(117, 93, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 93, 122) }
```

Border

The CSS property to change the border of an element to XYZ 14.7633, 13.0158, 20.1465 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(117, 93, 122) }
```


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

```
.border{ border-color:rgb(117, 93, 122) }
```

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

Here you see how a box with a 4 pixel rgb(117, 93, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 93, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 93, 122);  
box-shadow:4px 4px 4px 4px rgb(117, 93,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7633, 13.0158, 20.1465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 93, 122) }
```

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

```
.background{ background-color: rgb(117, 93,  
122) }
```

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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