

Converting Colors

XYZ(13.2584, 7.9938, 16.7592)

Have a look what the booklet for
XYZ(13.2584, 7.9938, 16.7592)
contains.

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Color

**XYZ(13.2597, 7.9938,
16.7637)**

Conversions

Conversions Part 1

Format	Color
Hex	822F72
RGB	130, 47, 114
RGB Percent	51%, 18%, 45%
CMY	0.4902, 0.8157, 0.5529
CMYK	0.00, 0.64, 0.12, 0.49
HSL	312°, 47%, 35%
HSV	312°, 64%, 51%
XYZ	13.2597, 7.9938, 16.7637
YIQ	79.4550, 27.9610, 38.4330

Conversions

Conversions Part 2

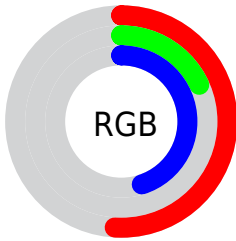
Format	Color
R_{YB}	130, 47, 114
Decimal	8531826
CIE _{Lab}	33.97, 43.93, -21.04
CIE _{LCh}	34, 48.709, 334.411
Yxy	7.9938, 0.3488, 0.2103
Android (android.graphics.Color)	4286721906 (0xFF822F72)
YUV	79.4550, 17.0307, 44.3280
Hunter-Lab	28.2733, 34.2352, -15.3627

Details

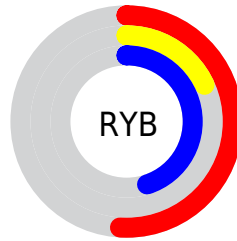
The XYZ color **13.2597, 7.9938, 16.7637** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **10.0525, 16.9287, 7.4411**, and the grayscale version is **7.4842, 7.8739, 8.5747**.

A 20% lighter version of the original color is **31.3524, 21.9911, 38.6687**, and **4.1253, 2.0130, 5.3254** is the 20% darker color. If you saturate the color by 10%, you get **12.6747, 7.0488, 15.8745**, and if you desaturate by 10%, it is **14.0040, 9.2509, 17.7254**.

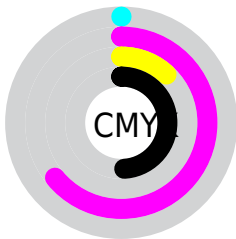
Distribution



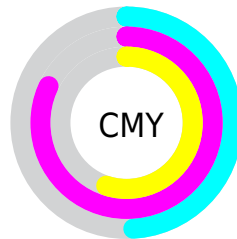
- Red (51%)
- Green (18%)
- Blue (45%)



- Red (51%)
- Yellow (18%)
- Blue (45%)



- Cyan (0%)
- Magenta (64%)
- Yellow (12%)
- Black (49%)



- Cyan (49%)
- Magenta (82%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2597, 7.9938, 16.7637 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 13.2597, 7.9938, 16.7637 by changing the saturation by 10% instead.

13.2597, 7.9938,
16.7637

13.2597, 7.9938,
16.7637

206.1795,
175.6834, 245.8046

7.6859, 4.0910,
9.9060

31.3669, 21.9463,
38.7041

3.9447, 1.7246,
5.2319

44.6310, 32.7647,
54.6239

1.6709, 0.4395,
2.3228

61.1892, 46.6572,
74.4014

0.4379, 0.0000,
0.7440

81.4069, 64.0081,
98.4553

0.0000, 0.0000,
0.0000

105.6494, 85.2017,
127.2040

134.2821,

110.6226, 161.0661

167.6704,
140.6550, 200.4601

■ 13.2597, 7.9938,
16.7637

■ 13.2597, 7.9938,
16.7637

■ 12.6747, 7.0488,
15.8745

■ 14.0040, 9.2509,
17.7254

■ 12.2339, 6.3862,
15.0525

■ 14.9194, 10.8438,
18.7635

■ 11.9195, 5.9703,
14.2916

■ 16.0173, 12.7955,
19.8820

■ 11.7526, 5.7645,
13.8413

■ 17.3080, 15.1263,
21.0845

■ 18.8010, 17.8554,
22.3744

■ 20.5052, 21.0003,
23.7546

■ 22.4289, 24.5777,
25.2282

■ 24.5799, 28.6033,
26.7979

■ 26.9659, 33.0920,
28.4664

Harmonies

Analogous

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



10.8991, 7.9938, 27.4471



13.2597, 7.9938, 16.7637



13.9832, 7.9938, 7.6171

Triad

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



13.2597, 7.9938, 16.7637



7.2083, 7.9938, 0.6994



4.0893, 7.9938, 19.9961

Complementary

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



13.2597, 7.9938, 16.7637



10.0525, 16.9287, 7.4411

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.



3.5302, 7.9938, 9.8894



13.2597, 7.9938, 16.7637



5.0412, 7.9938, 1.3222

Square

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



13.2597, 7.9938, 16.7637



10.0488, 7.9938, 1.0245



3.8325, 7.9938, 3.7580



5.5819, 7.9938, 29.9619

Rectangle

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



13.2597, 7.9938, 16.7637



13.3247, 7.9938, 3.9173



3.8325, 7.9938, 3.7580



3.8042, 7.9938, 16.3416

Sweetspot

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



13.2600, 7.9942, 16.7639



31.5958, 28.6707, 38.1143



7.0465, 4.6764, 21.6505



7.0117, 6.2343, 8.5046



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.2600, 7.9942, 16.7639



21.9104, 11.7826, 27.2323



11.4348, 7.2641, 7.1527



4.4637, 4.3986, 5.2465



11.2712, 5.5282, 13.2840



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2600, 7.9942, 16.7639



21.9104, 11.7826, 27.2323



11.6396, 17.5636, 15.7985



4.4637, 4.3986, 5.2465



11.2712, 5.5282, 13.2840



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.2597, 7.9938, 16.7637 looks on a white background.

Color Contrast Check

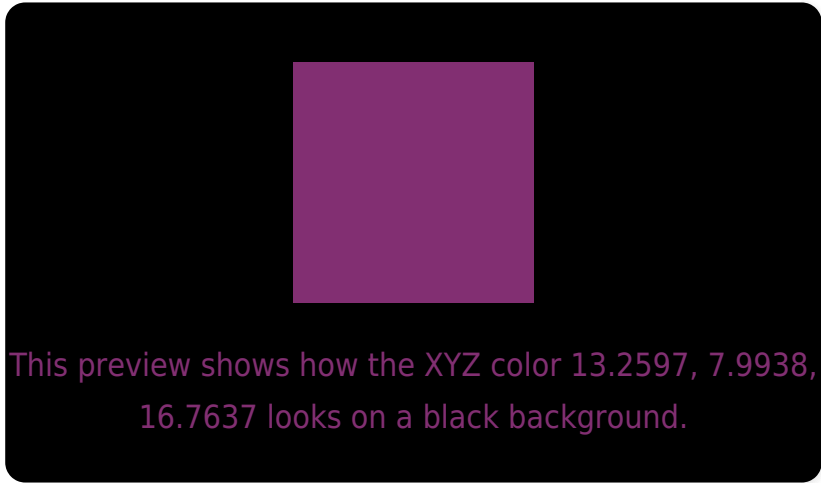
Large Text (above 18pt) WCAG AA ✓ Pass

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

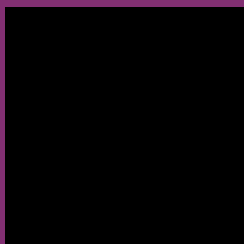
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2597, 7.9938, 16.7637

Background



This preview shows how black text looks on a background with the XYZ color 13.2597, 7.9938, 16.7637.



This preview shows how white text looks on a background with the XYZ color 13.2597, 7.9938,

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

13.2597, 7.9938, 16.7637

Protanopia

9.0719, 8.2719, 26.3178

Deuteranopia

8.3766, 8.2579, 15.6204



Tritanopia

11.0803, 8.0791, 5.9765

Trichromacy



Original Color

13.2597, 7.9938, 16.7637

Protanomaly

9.4972, 7.4023, 22.4010

Deuteranomaly

9.5525, 7.6616, 16.0143

Tritanomaly

11.7279, 7.9649, 9.1029

Monochromacy



Original Color

13.2597, 7.9938, 16.7637

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

8.9759, 7.3837, 11.0773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2597, 7.9938, 16.7637 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(130, 47, 114)` looks like.

```
.text, #text, p{  
    color:rgb(130, 47, 114)  
}
```

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(130, 47, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 47, 114) }
```

Border

The CSS property to change the border of an element to XYZ 13.2597, 7.9938, 16.7637 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(130, 47, 114) }
```


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

```
.border{ border-color:rgb(130, 47, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 47, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 47, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 47, 114); box-shadow:4px 4px 4px 4px rgb(130, 47, 114) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2597, 7.9938, 16.7637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 47, 114) }
```

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

```
.background{ background-color: rgb(130, 47,  
114) }
```

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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