

Converting Colors

XYZ(13.2954, 10.3310, 18.6114)

Have a look what the booklet for
XYZ(13.2954, 10.3310, 18.6114)
contains.

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Color

**XYZ(13.2503, 10.2827,
18.7392)**

Conversions

Conversions Part 1

Format	Color
Hex	754C77
RGB	117, 76, 119
RGB Percent	46%, 30%, 47%
CMY	0.5412, 0.7019, 0.5333
CMYK	0.02, 0.36, 0.00, 0.53
HSL	297°, 22%, 38%
HSV	297°, 36%, 47%
XYZ	13.2503, 10.2827, 18.7392
YIQ	93.1610, 10.6330, 22.0650

Conversions

Conversions Part 2

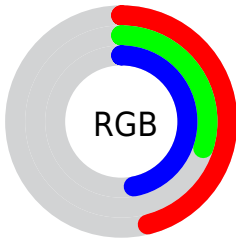
Format	Color
R_{YB}	117, 76, 119
Decimal	7687287
CIE Lab	38.35, 25.01, -17.55
CIE LCh	38, 30.555, 324.944
Yxy	10.2827, 0.3135, 0.2432
Android (android.graphics.Color)	4285877367 (0xFF754C77)
YUV	93.1610, 12.7386, 20.9068
Hunter-Lab	32.0666, 17.6416, -12.2014

Details

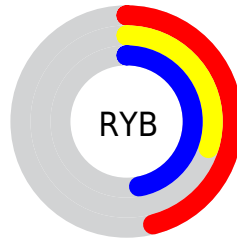
The XYZ color **13.2503, 10.2827, 18.7392** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.0436, 15.3355, 9.2160**, and the grayscale version is **10.4118, 10.9540, 11.9289**.

A 20% lighter version of the original color is **31.3891, 26.4080, 41.9710**, and **3.9537, 2.5997, 6.0878** is the 20% darker color. If you saturate the color by 10%, you get **12.4310, 8.7540, 18.4875**, and if you desaturate by 10%, it is **14.2224, 12.1159, 19.0420**.

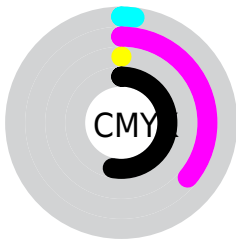
Distribution



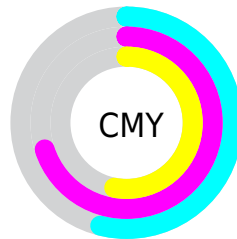
- Red (46%)
- Green (30%)
- Blue (47%)



- Red (46%)
- Yellow (30%)
- Blue (47%)



- Cyan (2%)
- Magenta (36%)
- Yellow (0%)
- Black (53%)



- Cyan (54%)
- Magenta (70%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2503, 10.2827, 18.7392 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 13.2503, 10.2827, 18.7392 by changing the saturation by 10% instead.

■ 13.2503, 10.2827,
18.7392

■ 13.2503, 10.2827,
18.7392

206.1210,
192.6780, 257.3798

■ 7.6793, 5.5868,
11.3071

■ 31.3502, 26.3259,
42.1238

■ 3.9405, 2.5955,
6.1570

■ 44.6099, 38.4420,
58.9133

■ 1.6685, 0.9244,
2.8705

■ 61.1632, 53.8002,
79.6590

■ 0.4365, 0.0000,
1.0289

■ 81.3754, 72.7851,
104.7795

■ 0.0000, 0.0000,
0.0000

■ 105.6119, 95.7809,
134.6933

134.2381,

123.1720, 169.8189

167.6194,
155.3429, 210.5749

■ 13.2503, 10.2827,
18.7392

■ 13.2503, 10.2827,
18.7392

■ 12.4310, 8.7540,
18.4875

■ 14.2224, 12.1159,
19.0420

■ 11.7552, 7.5117,
18.2833

■ 15.3539, 14.2676,
19.3976

■ 11.2138, 6.5379,
18.1239

■ 16.6526, 16.7529,
19.8089

■ 10.7968, 5.8120,
18.0057

■ 18.1251, 19.5851,
20.2780

■ 10.4924, 5.3106,
17.9250

■ 19.7778, 22.7772,
20.8070

■ 10.2775, 4.9878,
17.8740

■ 21.6168, 26.3411,
21.3980

■ 10.1998, 4.8736,
17.8561

■ 23.6479, 30.2886,
22.0529

■ 25.8766, 34.6307,
22.7735

■ 28.3082, 39.3779,
23.5617

Harmonies

Analogous

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



11.4767, 10.2827, 24.3534



13.2503, 10.2827, 18.7392



14.0995, 10.2827, 12.1894

Triad

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



13.2503, 10.2827, 18.7392



10.1143, 10.2827, 3.4459



6.6996, 10.2827, 16.4798

Complementary

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



13.2503, 10.2827, 18.7392



11.0436, 15.3355, 9.2160

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.



6.4373, 10.2827, 10.2583



13.2503, 10.2827, 18.7392



8.2476, 10.2827, 3.9118

Square

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



13.2503, 10.2827, 18.7392



12.1388, 10.2827, 4.4104



6.9651, 10.2827, 6.0097



7.7372, 10.2827, 22.7687

Rectangle

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



13.2503, 10.2827, 18.7392



13.9538, 10.2827, 8.6024



6.9651, 10.2827, 6.0097



6.5244, 10.2827, 14.2649

Sweetspot

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



13.2506, 10.2832, 18.7394



28.5848, 27.6327, 35.0801



9.0458, 8.3391, 18.5858



6.7163, 6.4376, 8.2953



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.



13.2506, 10.2832, 18.7394



22.5383, 16.1918, 33.1905



12.4759, 10.0046, 13.2419



3.8106, 3.7497, 4.6132



10.8344, 5.1767, 18.9707



52.5920, 25.1207, 92.4372

Inverse Universe

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



11.5677, 9.6414, 8.4596



19.0898, 14.8808, 11.9398



11.6592, 15.5631, 13.3000



3.6902, 3.7034, 3.8955



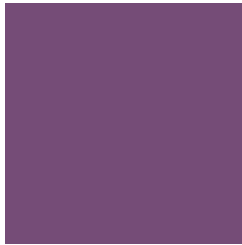
8.1140, 4.1793, 0.5425



39.4526, 20.3312, 2.1808

Previews

White Background



This preview shows how the XYZ color 13.2503, 10.2827, 18.7392 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 13.2503, 10.2827, 18.7392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

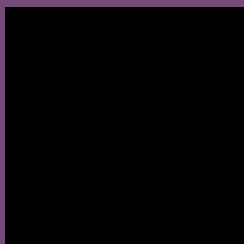
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2503, 10.2827, 18.7392

Background



This preview shows how black text looks on a background with the XYZ color 13.2503, 10.2827, 18.7392.

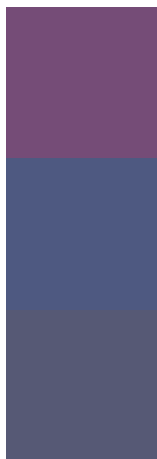


This preview shows how white text looks on a background with the XYZ color 13.2503, 10.2827,

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

13.2503, 10.2827, 18.7392

Protanopia

10.6767, 10.3494, 22.2038

Deuteranopia

10.6210, 10.4075, 18.2787



Tritanopia

11.6305, 10.2666, 10.8198

Trichromacy



Original Color

13.2503, 10.2827, 18.7392

Protanomaly

11.2856, 10.0966, 20.7561

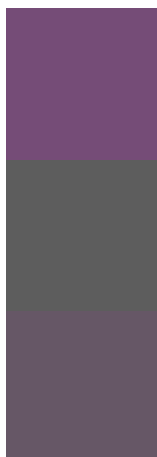
Deuteranomaly

11.3701, 10.1900, 18.5071

Tritanomaly

12.1083, 10.2348, 13.3939

Monochromacy



Original Color

13.2503, 10.2827, 18.7392

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.2860, 10.6005, 14.0216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2503, 10.2827, 18.7392 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, 76, 119)` looks like.

```
.text, #text, p{  
    color:rgb(117, 76, 119)  
}
```

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, 76, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 76, 119) }
```

Border

The CSS property to change the border of an element to XYZ 13.2503, 10.2827, 18.7392 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, 76, 119) }
```


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

```
.border{ border-color:rgb(117, 76, 119) }
```

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

Here you see how a box with a 4 pixel rgb(117, 76, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 76, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 76, 119);  
box-shadow:4px 4px 4px 4px rgb(117, 76,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2503, 10.2827, 18.7392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 76, 119) }
```

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

```
.background{ background-color: rgb(117, 76,  
119) }
```

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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