

Converting Colors

XYZ(13.8036, 11.1418, 19.9656)

Have a look what the booklet for
XYZ(13.8036, 11.1418, 19.9656)
contains.

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Color

**XYZ(13.8663, 11.2216,
19.8475)**

Conversions

Conversions Part 1

Format	Color
Hex	75527A
RGB	117, 82, 122
RGB Percent	46%, 32%, 48%
CMY	0.5412, 0.6784, 0.5216
CMYK	0.04, 0.33, 0.00, 0.52
HSL	293°, 20%, 40%
HSV	293°, 33%, 48%
XYZ	13.8663, 11.2216, 19.8475
YIQ	97.0250, 8.0200, 19.8600

Conversions

Conversions Part 2

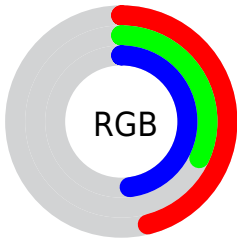
Format	Color
R_{YB}	117, 82, 122
Decimal	7688826
CIE _{Lab}	39.95, 22.05, -16.93
CIE _{LCh}	40, 27.798, 322.475
Yxy	11.2216, 0.3086, 0.2497
Android (android.graphics.Color)	4285878906 (0xFF75527A)
YUV	97.0250, 12.3127, 17.5181
Hunter-Lab	33.4987, 15.2649, -11.6795

Details

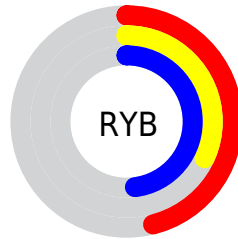
The XYZ color **13.8663, 11.2216, 19.8475** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **12.4133, 16.5547, 10.5242**, and the grayscale version is **11.3380, 11.9285, 12.9901**.

A 20% lighter version of the original color is **32.5667, 28.1437, 44.2733**, and **4.2174, 2.9717, 6.6547** is the 20% darker color. If you saturate the color by 10%, you get **12.8238, 9.4380, 19.5583**, and if you desaturate by 10%, it is **15.0765, 13.3351, 20.1918**.

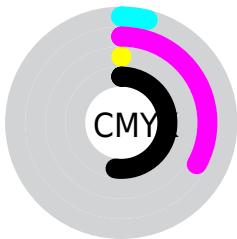
Distribution



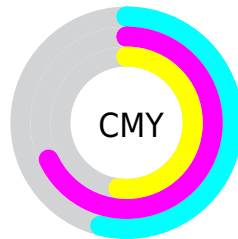
- Red (46%)
- Green (32%)
- Blue (48%)



- Red (46%)
- Yellow (32%)
- Blue (48%)



- Cyan (4%)
- Magenta (33%)
- Yellow (0%)
- Black (52%)



- Cyan (54%)
- Magenta (68%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8663, 11.2216, 19.8475 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 13.8663, 11.2216, 19.8475 by changing the saturation by 10% instead.

■ 13.8663, 11.2216,
19.8475

■ 13.8663, 11.2216,
19.8475

209.9248,
199.1816, 263.6652

■ 8.1088, 6.2161,
12.1013

■ 32.4399, 28.0692,
44.0170

■ 4.2170, 2.9769,
6.6893

■ 45.9866, 40.6801,
61.2773

■ 1.8256, 1.1197,
3.1931

■ 62.8606, 56.5949,
82.5460

■ 0.5330, 0.0000,
1.1940

■ 83.4270, 76.1981,
108.2417

■ 0.0000, 0.0000,
0.0000

■ 108.0513, 99.8739,
138.7830

137.0988,

128.0068, 174.5883

170.9348,
160.9813, 216.0762

■ 13.8663, 11.2216,
19.8475

■ 13.8663, 11.2216,
19.8475

■ 12.8238, 9.4380,
19.5583

■ 15.0765, 13.3351,
20.1918

■ 11.9391, 7.9655,
19.3207

■ 16.4613, 15.7931,
20.5933

■ 11.2033, 6.7856,
19.1318

■ 18.0286, 18.6110,
21.0546

■ 10.6056, 5.8773,
18.9880

■ 19.7854, 21.8031,
21.5781

■ 10.1343, 5.2168,
18.8853

■ 21.7386, 25.3826,
22.1661

■ 9.7749, 4.7752,
18.8190

■ 23.8943, 29.3624,
22.8207

■ 9.5466, 4.5157,
18.7810

■ 26.2587, 33.7543,
23.5438

■ 28.8377, 38.5702,
24.3374

■ 31.6367, 43.8211,
25.2034

Harmonies

Analogous

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



12.1387, 11.2216, 24.8082



13.8663, 11.2216, 19.8475



14.7559, 11.2216, 13.6546

Triad

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



13.8663, 11.2216, 19.8475



11.1561, 11.2216, 4.4535



7.6079, 11.2216, 16.7173

Complementary

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



13.8663, 11.2216, 19.8475



12.4133, 16.5547, 10.5242

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.



7.4113, 11.2216, 10.8866



13.8663, 11.2216, 19.8475



9.3171, 11.2216, 4.8264

Square

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



13.8663, 11.2216, 19.8475



13.0737, 11.2216, 5.6101



8.0001, 11.2216, 6.8478



8.5733, 11.2216, 22.6556

Rectangle

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



13.8663, 11.2216, 19.8475



14.6873, 11.2216, 10.0759



8.0001, 11.2216, 6.8478



7.4548, 11.2216, 14.6449

Sweetspot

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



13.8667, 11.2221, 19.8477



29.6307, 28.9848, 36.4258



10.4282, 10.0699, 19.8066



6.7069, 6.5052, 8.3088



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.



13.8667, 11.2221, 19.8477



23.0537, 17.4400, 34.5441



13.7150, 11.2411, 15.4492



4.1076, 4.0533, 5.0091



10.0463, 4.7518, 19.7730



47.4300, 22.4131, 94.2961

Inverse Universe

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



12.7639, 10.8607, 10.4407



20.8496, 16.7282, 15.2659



12.5817, 16.5700, 13.7635



4.0168, 4.0225, 4.2862



8.5408, 4.3925, 0.8730



40.5627, 20.8814, 3.2274

Previews

White Background



This preview shows how the XYZ color 13.8663, 11.2216, 19.8475 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 13.8663, 11.2216, 19.8475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

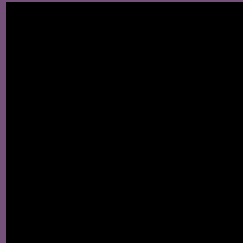
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8663, 11.2216, 19.8475

Background



This preview shows how black text looks on a background with the XYZ color 13.8663, 11.2216, 19.8475.



This preview shows how white text looks on a background with the XYZ color 13.8663, 11.2216,

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

13.8663, 11.2216, 19.8475

Protanopia

11.5109, 11.2794, 22.6895

Deuteranopia

11.5210, 11.3584, 19.3545



Tritanopia

12.3202, 11.2983, 12.1211

Trichromacy



Original Color

13.8663, 11.2216, 19.8475

Protanomaly

12.1225, 11.1100, 21.5842

Deuteranomaly

12.2791, 11.2346, 19.6105

Tritanomaly

12.7659, 11.2325, 14.5919

Monochromacy



Original Color

13.8663, 11.2216, 19.8475

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.1376, 11.6380, 15.2423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8663, 11.2216, 19.8475 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, 82, 122)` looks like.

```
.text, #text, p{  
    color:rgb(117, 82, 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, 82, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 82, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.8663, 11.2216, 19.8475 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, 82, 122) }
```


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

```
.border{ border-color:rgb(117, 82, 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, 82, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 82, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 82, 122);  
box-shadow:4px 4px 4px 4px rgb(117, 82,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8663, 11.2216, 19.8475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 82, 122) }
```

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

```
.background{ background-color: rgb(117, 82,  
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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