

Converting Colors

XYZ(12.0093, 13.3115, 6.9375)

Have a look what the booklet for
XYZ(12.0093, 13.3115, 6.9375)
contains.

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Color

**XYZ(11.9887, 13.2703,
6.9306)**

Conversions

Conversions Part 1

Format	Color
Hex	6C6741
RGB	108, 103, 65
RGB Percent	42%, 40%, 25%
CMY	0.5765, 0.5961, 0.7451
CMYK	0.00, 0.05, 0.40, 0.58
HSL	53°, 25%, 34%
HSV	53°, 40%, 42%
XYZ	11.9887, 13.2703, 6.9306
YIQ	100.1630, 15.1780, -10.7580

Conversions

Conversions Part 2

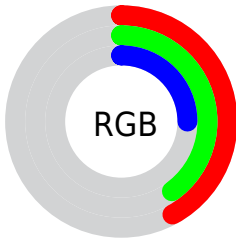
Format	Color
R_{YB}	71, 108, 65
Decimal	7104321
CIE Lab	43.17, -4.28, 22.16
CIE LCh	43, 22.568, 100.930
Yxy	13.2703, 0.3724, 0.4123
Android (android.graphics.Color)	4285294401 (0xFF6C6741)
YUV	100.1630, -17.3354, 6.8730
Hunter-Lab	36.4284, -5.0049, 14.2198

Details

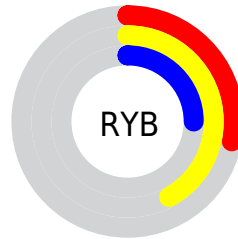
The XYZ color **11.9887, 13.2703, 6.9306** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.0768, 6.5866, 15.0856**, and the grayscale version is **12.1952, 12.8303, 13.9722**.

A 20% lighter version of the original color is **29.0334, 31.7770, 20.2261**, and **3.3532, 3.8123, 1.2686** is the 20% darker color. If you saturate the color by 10%, you get **11.5815, 12.9097, 5.3963**, and if you desaturate by 10%, it is **12.4582, 13.6598, 8.7813**.

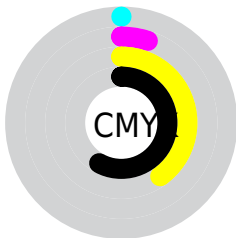
Distribution



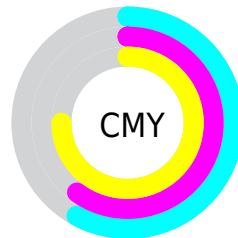
- Red (42%)
- Green (40%)
- Blue (25%)



- Red (28%)
- Yellow (42%)
- Blue (25%)



- Cyan (0%)
- Magenta (5%)
- Yellow (40%)
- Black (58%)



- Cyan (58%)
- Magenta (60%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9887, 13.2703, 6.9306 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 11.9887, 13.2703, 6.9306 by changing the saturation by 10% instead.

■ 11.9887, 13.2703,
6.9306

■ 11.9887, 13.2703,
6.9306

198.1019,
212.6428, 176.6948

■ 6.8081, 7.6149,
3.3409

■ 29.0916, 31.7885,
20.3439

■ 3.3877, 3.8496,
1.2712

■ 41.7446, 45.4202,
31.0047

■ 1.3619, 1.5898,
0.0381

■ 57.6191, 62.4794,
44.8596

■ 0.2289, 0.3507,
0.0000

■ 77.0805, 83.3506,
62.3272

■ 0.0000, 0.0000,
0.0000

■ 100.4941,
108.4182, 83.8259

■ 128.2253,

138.0664, 109.7744

160.6395,
172.6798, 140.5912

■ 11.9887, 13.2703,
6.9306

■ 11.9887, 13.2703,
6.9306

■ 11.5815, 12.9097,
5.3963

■ 12.4582, 13.6598,
8.7813

■ 11.2324, 12.5747,
4.1595

■ 12.9923, 14.0777,
10.9641

■ 10.9377, 12.2646,
3.2006

■ 13.5943, 14.5258,
13.4949

■ 10.6933, 11.9775,
2.4973

■ 14.2668, 15.0051,
16.3879

■ 10.4943, 11.7115,
2.0241

■ 15.0125, 15.5168,
19.6569

■ 10.3204, 11.4585,
1.6736

■ 15.8338, 16.0617,
23.3149

■ 10.3171, 11.4538,
1.6670

■ 16.7332, 16.6410,
27.3740

■ 17.7128, 17.2554,
31.8463

■ 18.7748, 17.9059,
36.7428

Harmonies

Analogous

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



13.7389, 13.2703, 7.1487



11.9887, 13.2703, 6.9306



10.5441, 13.2703, 8.3476

Triad

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



11.9887, 13.2703, 6.9306



10.2486, 13.2703, 21.6862



16.0497, 13.2703, 17.8141

Complementary

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



11.9887, 13.2703, 6.9306



7.0768, 6.5866, 15.0856

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.



14.9363, 13.2703, 22.9725



11.9887, 13.2703, 6.9306



11.5504, 13.2703, 25.5395

Square

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



11.9887, 13.2703, 6.9306



9.6027, 13.2703, 16.3448



13.2587, 13.2703, 26.0580



16.1946, 13.2703, 12.7060

Rectangle

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



11.9887, 13.2703, 6.9306



9.9069, 13.2703, 10.2727



13.2587, 13.2703, 26.0580



15.7718, 13.2703, 19.6272

Sweetspot

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



11.9890, 13.2709, 6.9309



23.5897, 25.2993, 22.5170



9.1807, 7.4113, 6.7439



5.6863, 6.1063, 5.3511



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



11.9890, 13.2709, 6.9309



20.3670, 22.6959, 9.5985



10.6822, 13.3572, 7.0164



3.3046, 3.5265, 3.3240



12.2936, 13.6369, 1.9842



62.2330, 68.6695, 9.9745

Inverse Universe

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



7.0768, 6.5866, 15.0856



10.4185, 9.1628, 26.1272



8.0321, 6.6342, 15.0445



2.9742, 3.0766, 3.8720



3.3807, 1.5957, 17.0521



16.8768, 7.4322, 86.7713

Previews

White Background



This preview shows how the XYZ color 11.9887, 13.2703, 6.9306 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 11.9887, 13.2703, 6.9306 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

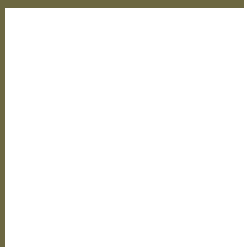
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9887, 13.2703, 6.9306

Background



This preview shows how black text looks on a background with the XYZ color 11.9887, 13.2703, 6.9306.



This preview shows how white text looks on a background with the XYZ color 11.9887, 13.2703,

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

11.9887, 13.2703, 6.9306

Protanopia

12.2611, 13.2639, 6.9150

Deuteranopia

13.4264, 13.1537, 6.9855



Tritanopia

13.7793, 13.2867, 15.4740

Trichromacy



Original Color

11.9887, 13.2703, 6.9306

Protanomaly

12.1359, 13.1994, 6.9091

Deuteranomaly

12.9164, 13.1686, 7.0153

Tritanomaly

13.0010, 13.2492, 11.7696

Monochromacy



Original Color

11.9887, 13.2703, 6.9306

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9675, 12.8790, 10.8720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9887, 13.2703, 6.9306 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(108, 103, 65)` looks like.

```
.text, #text, p{  
    color:rgb(108, 103, 65)  
}
```

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(108, 103, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 103, 65) }
```

Border

The CSS property to change the border of an element to XYZ 11.9887, 13.2703, 6.9306 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(108, 103, 65) }
```


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

```
.border{ border-color:rgb(108, 103, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 103, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 103, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 103, 65);  
box-shadow:4px 4px 4px 4px rgb(108, 103,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9887, 13.2703, 6.9306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 103, 65) }
```

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

```
.background{ background-color: rgb(108,  
103, 65) }
```

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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