

Converting Colors

XYZ(10.6990, 6.8689, 13.3323)

Have a look what the booklet for
XYZ(10.6990, 6.8689, 13.3323)
contains.

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Color

**XYZ(10.6990, 6.8689,
13.3323)**

Conversions

Conversions Part 1

Format	Color
Hex	743166
RGB	116, 49, 102
RGB Percent	45%, 19%, 40%
CMY	0.5451, 0.8078, 0.6000
CMYK	0.00, 0.58, 0.12, 0.55
HSL	313°, 41%, 32%
HSV	313°, 58%, 45%
XYZ	10.6990, 6.8689, 13.3323
YIQ	75.0750, 22.9190, 30.6870

Conversions

Conversions Part 2

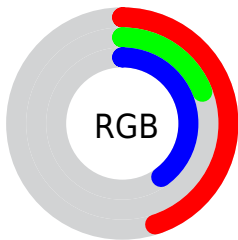
Format	Color
R_{YB}	116, 49, 102
Decimal	7614822
CIE _{Lab}	31.51, 36.65, -17.41
CIE _{LCh}	32, 40.573, 334.595
Yxy	6.8689, 0.3462, 0.2223
Android (android.graphics.Color)	4285804902 (0xFF743166)
YUV	75.0750, 13.2740, 35.8912
Hunter-Lab	26.2086, 27.0031, -11.8148

Details

The XYZ color **10.6990, 6.8689, 13.3323** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **8.4095, 13.5028, 6.8662**, and the grayscale version is **6.6755, 7.0231, 7.6482**.

A 20% lighter version of the original color is **26.7892, 19.7696, 32.5410**, and **2.8696, 1.3997, 3.7333** is the 20% darker color. If you saturate the color by 10%, you get **10.1565, 5.9733, 12.5670**, and if you desaturate by 10%, it is **11.3704, 8.0164, 14.1580**.

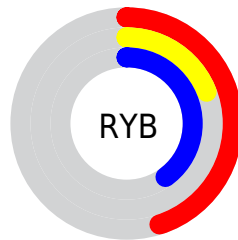
Distribution



Red (45%)

Green (19%)

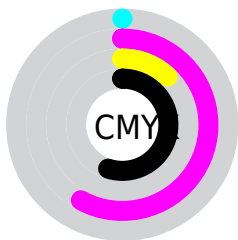
Blue (40%)



Red (45%)

Yellow (19%)

Blue (40%)

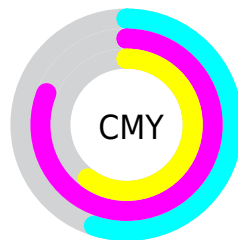


Cyan (0%)

Magenta (58%)

Yellow (12%)

Black (55%)



Cyan (55%)


Magenta (81%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.6990, 6.8689, 13.3323 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 10.6990, 6.8689, 13.3323 by changing the saturation by 10% instead.


 10.6990, 6.8689,
13.3323


 10.6990, 6.8689,
13.3323


189.5420,
166.5699, 224.3186


 5.9306, 3.3802,
7.5244


 26.7401, 19.7090,
32.5994

 2.8432, 1.3333,
3.7088

 38.7436, 29.8292,
46.8956


 1.0714, 0.1668,
1.4670

 53.8894, 42.9287,
64.8584

 0.0010, 0.0000,
0.1931

 72.5430, 59.3920,
86.9061

 0.0000, 0.0000,
0.0000

 95.0697, 79.6033,
113.4575

 121.8348,

103.9471, 144.9310

153.2038,
132.8079, 181.7452

■ 10.6990, 6.8689,
13.3323

■ 10.6990, 6.8689,
13.3323

■ 10.1565, 5.9733,
12.5670

■ 11.3704, 8.0164,
14.1580

■ 9.7323, 5.3090,
11.8583

■ 12.1789, 9.4324,
15.0468

■ 9.4155, 4.8539,
11.2025

■ 13.1326, 11.1332,
16.0017

■ 9.1759, 4.5476,
10.5893

■ 14.2389, 13.1334,
17.0252

■ 9.1238, 4.4815,
10.4545

■ 15.5046, 15.4467,
18.1198

■ 16.9363, 18.0861,
19.2878

■ 18.5401, 21.0636,
20.5313

■ 20.3216, 24.3907,
21.8523

■ 22.2863, 28.0783,
23.2529

Harmonies

Analogous

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



8.9892, 6.8689, 20.8659



10.6990, 6.8689, 13.3323



11.2113, 6.8689, 6.6236

Triad

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



10.6990, 6.8689, 13.3323



6.2227, 6.8689, 0.9703



3.8268, 6.8689, 15.7305

Complementary

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



10.6990, 6.8689, 13.3323



8.4095, 13.5028, 6.8662

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.



3.3741, 6.8689, 8.4052



10.6990, 6.8689, 13.3323



4.5639, 6.8689, 1.5536

Square

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



10.6990, 6.8689, 13.3323



8.3391, 6.8689, 1.2617



3.6132, 6.8689, 3.6524



5.0013, 6.8689, 22.6806

Rectangle

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



10.6990, 6.8689, 13.3323



10.7313, 6.8689, 3.7415



3.6132, 6.8689, 3.6524



3.5976, 6.8689, 13.1240

Sweetspot

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



10.6992, 6.8692, 13.3324



25.0972, 23.2096, 29.9879



6.2628, 4.4950, 17.0606



5.9125, 5.4010, 7.0870



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.6992, 6.8692, 13.3324



17.6092, 10.1097, 21.7077



9.3783, 6.3409, 6.3765



3.7954, 3.7455, 4.4495



10.2322, 5.0266, 11.6969



49.5447, 24.3680, 55.3250

Inverse Universe

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



10.6992, 6.8692, 13.3324



17.6092, 10.1097, 21.7077



9.6190, 13.9866, 13.2352



3.7954, 3.7455, 4.4495



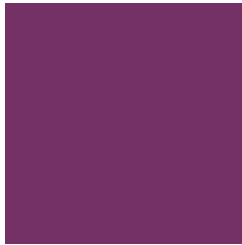
10.2322, 5.0266, 11.6969



49.5447, 24.3680, 55.3250

Previews

White Background



This preview shows how the XYZ color 10.6990, 6.8689, 13.3323 looks on a white background.

Color Contrast Check

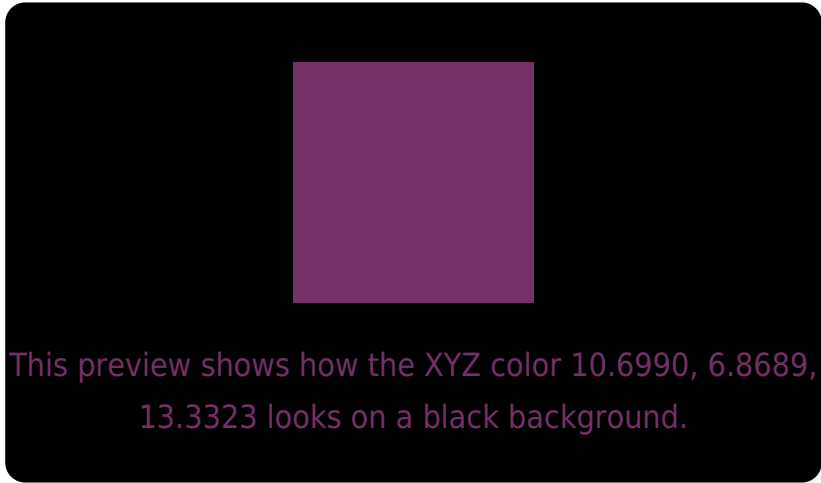
Large Text (above 18pt) WCAG AA ✓ Pass

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

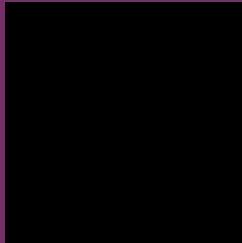
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.6990, 6.8689, 13.3323

Background



This preview shows how black text looks on a background with the XYZ color 10.6990, 6.8689, 13.3323.



This preview shows how white text looks on a background with the XYZ color 10.6990, 6.8689,

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

10.6990, 6.8689, 13.3323

Protanopia

7.5263, 7.0110, 19.3689

Deuteranopia

7.1792, 7.0815, 12.5438



Tritanopia

9.1433, 6.9316, 5.5586

Trichromacy



Original Color

10.6990, 6.8689, 13.3323

Protanomaly

8.0698, 6.5243, 17.0536

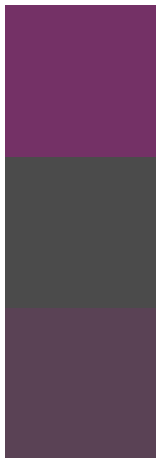
Deuteranomaly

8.0729, 6.7077, 12.6736

Tritanomaly

9.5158, 6.7789, 7.8281

Monochromacy



Original Color

10.6990, 6.8689, 13.3323

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

7.8044, 6.7260, 9.4812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6990, 6.8689, 13.3323 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(116, 49, 102)` looks like.

```
.text, #text, p{  
    color:rgb(116, 49, 102)  
}
```

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(116, 49, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 49, 102) }
```

Border

The CSS property to change the border of an element to XYZ 10.6990, 6.8689, 13.3323 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(116, 49, 102) }
```


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

```
.border{ border-color:rgb(116, 49, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 49, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 49, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 49, 102);  
box-shadow:4px 4px 4px 4px rgb(116, 49,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6990, 6.8689, 13.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 49, 102) }
```

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

```
.background{ background-color: rgb(116, 49,  
102) }
```

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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