

Converting Colors

XYZ(10.7748, 13.1243, 13.3438)

Have a look what the booklet for
XYZ(10.7748, 13.1243, 13.3438)
contains.

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Color

**XYZ(10.7236, 13.0839,
13.2695)**

Conversions

Conversions Part 1

Format	Color
Hex	506B61
RGB	80, 107, 97
RGB Percent	31%, 42%, 38%
CMY	0.6863, 0.5804, 0.6196
CMYK	0.25, 0.00, 0.09, 0.58
HSL	158°, 14%, 37%
HSV	158°, 25%, 42%
XYZ	10.7236, 13.0839, 13.2695
YIQ	97.7870, -12.8820, -8.8340

Conversions

Conversions Part 2

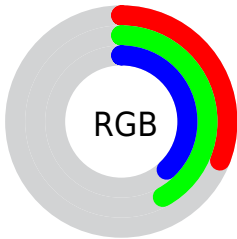
Format	Color
RYB	80, 97, 107
Decimal	5270369
CIELab	42.89, -12.23, 2.38
CIElCh	43, 12.458, 169.008
Yxy	13.0839, 0.2892, 0.3529
Android (android.graphics.Color)	4283460449 (0xFF506B61)
YUV	97.7870, -0.3880, -15.5992
Hunter-Lab	36.1717, -10.3816, 3.5698

Details

The XYZ color **10.7236, 13.0839, 13.2695** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.7779, 9.6016, 10.9586**, and the grayscale version is **11.5600, 12.1620, 13.2445**.

A 20% lighter version of the original color is **26.7781, 31.3377, 32.6544**, and **2.8731, 3.8108, 3.7161** is the 20% darker color. If you saturate the color by 10%, you get **9.7110, 12.5831, 12.2816**, and if you desaturate by 10%, it is **11.8901, 13.6637, 14.3134**.

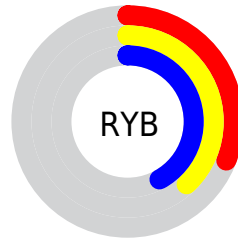
Distribution



Red (31%)

Green (42%)

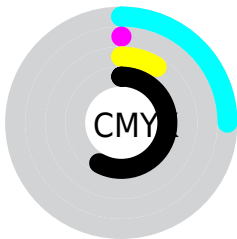
Blue (38%)



Red (31%)

Yellow (38%)

Blue (42%)

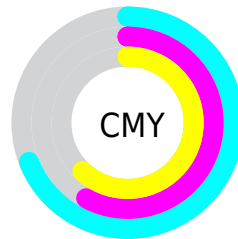


Cyan (25%)

Magenta (0%)

Yellow (9%)

Black (58%)



Cyan (69%)

Magenta (58%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7236, 13.0839, 13.2695 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 10.7236, 13.0839, 13.2695 by changing the saturation by 10% instead.

■ 10.7236, 13.0839,
13.2695

■ 10.7236, 13.0839,
13.2695

189.7091,
211.4547, 223.9059

■ 5.9472, 7.4863,
7.4815

■ 26.7854, 31.4544,
32.4854

■ 2.8534, 3.7681,
3.6820

■ 38.8016, 44.9962,
46.7503

■ 1.0767, 1.5447,
1.4526

■ 53.9617, 61.9548,
64.6779

■ 0.0055, 0.3199,
0.1822

■ 72.6311, 82.7147,
86.6868

■ 0.0000, 0.0000,
0.0000

■ 95.1752, 107.6602,
113.1956

121.9593,

137.1758, 144.6226

153.3488,
171.6458, 181.3865

■ 10.7236, 13.0839,
13.2695

■ 10.7236, 13.0839,
13.2695

■ 9.7110, 12.5831,
12.2816

■ 11.8901, 13.6637,
14.3134

■ 8.8442, 12.1560,
11.3477

■ 13.2159, 14.3242,
15.4134

■ 8.1162, 11.7994,
10.4671

■ 14.7074, 15.0690,
16.5707

■ 7.5188, 11.5092,
9.6388

■ 16.3704, 15.9012,
17.7863

■ 7.0429, 11.2805,
8.8614

■ 18.2104, 16.8234,
19.0610

■ 6.6781, 11.1082,
8.1338

■ 20.2327, 17.8385,
20.3957

■ 6.4039, 10.9816,
7.4543

■ 22.4421, 18.9489,
21.7913

■ 6.2821, 10.9255,
7.1460

■ 24.8437, 20.1572,
23.2486

■ 27.4419, 21.4657,
24.7684

Harmonies

Analogous

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



11.1043, 13.0839, 11.0758



10.7236, 13.0839, 13.2695



10.7837, 13.0839, 16.0233

Triad

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



10.7236, 13.0839, 13.2695



13.0418, 13.0839, 19.8016



13.6760, 13.0839, 10.6432

Complementary

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



10.7236, 13.0839, 13.2695



10.7779, 9.6016, 10.9586

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.



14.2486, 13.0839, 12.6055



10.7236, 13.0839, 13.2695



13.8698, 13.0839, 17.9702

Square

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



10.7236, 13.0839, 13.2695



12.0900, 13.0839, 20.0389



14.3213, 13.0839, 15.2696



12.7883, 13.0839, 9.6935

Rectangle

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



10.7236, 13.0839, 13.2695



11.0666, 13.0839, 17.8084



14.3213, 13.0839, 15.2696



13.9136, 13.0839, 11.1937

Sweetspot

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



10.7240, 13.0844, 13.2698



22.9231, 25.2790, 26.9988



10.9566, 13.2864, 9.5766



5.4767, 6.0829, 6.4759



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.



10.7240, 13.0844, 13.2698



18.1509, 22.9079, 22.7551



10.8977, 12.6380, 15.7755



3.1366, 3.4738, 3.7030



7.6273, 13.2850, 8.6147



38.4351, 67.5211, 41.6337

Inverse Universe

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



10.7779, 9.6016, 10.9586



18.2651, 15.5748, 17.8915



10.6165, 9.9148, 8.9438



3.1418, 3.1336, 3.4771



7.8208, 3.9805, 2.6850



39.4608, 20.1263, 11.6291

Previews

White Background



This preview shows how the XYZ color 10.7236, 13.0839, 13.2695 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 10.7236, 13.0839, 13.2695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

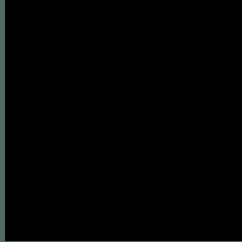
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.7236, 13.0839, 13.2695

Background



This preview shows how black text looks on a background with the XYZ color 10.7236, 13.0839, 13.2695.



This preview shows how white text looks on a background with the XYZ color 10.7236, 13.0839,

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

10.7236, 13.0839, 13.2695

Protanopia

12.4998, 13.1188, 12.4630

Deuteranopia

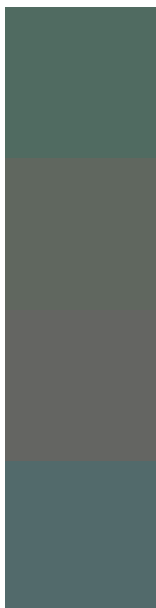
13.1754, 13.0157, 13.6222



Tritanopia

11.5995, 13.1344, 17.5466

Trichromacy



Original Color

10.7236, 13.0839, 13.2695

Protanomaly

11.7397, 13.0135, 12.7196

Deuteranomaly

12.1138, 12.8985, 13.4065

Tritanomaly

11.2876, 13.1634, 15.8558

Monochromacy



Original Color

10.7236, 13.0839, 13.2695

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.1727, 12.4133, 13.3624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7236, 13.0839, 13.2695 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(80, 107, 97)` looks like.

```
.text, #text, p{  
    color:rgb(80, 107, 97)  
}
```

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(80, 107, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 107, 97) }
```

Border

The CSS property to change the border of an element to XYZ 10.7236, 13.0839, 13.2695 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(80, 107, 97) }
```


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

```
.border{ border-color:rgb(80, 107, 97) }
```

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

Here you see how a box with a 4 pixel rgb(80, 107, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 107, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 107, 97);  
box-shadow:4px 4px 4px 4px rgb(80, 107,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7236, 13.0839, 13.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 107, 97) }
```

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

```
.background{ background-color: rgb(80, 107,  
97) }
```

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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