

Converting Colors

XYZ(10.6669, 12.3048, 12.3665)

Have a look what the booklet for
XYZ(10.6669, 12.3048, 12.3665)
contains.

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Color

**XYZ(10.7022, 12.3371,
12.4069)**

Conversions

Conversions Part 1

Format	Color
Hex	57665E
RGB	87, 102, 94
RGB Percent	34%, 40%, 37%
CMY	0.6588, 0.6000, 0.6314
CMYK	0.15, 0.00, 0.08, 0.60
HSL	148°, 8%, 37%
HSV	148°, 15%, 40%
XYZ	10.7022, 12.3371, 12.4069
YIQ	96.6030, -6.3720, -5.6680

Conversions

Conversions Part 2

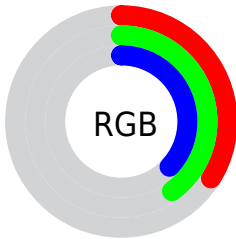
Format	Color
R_{YB}	87, 97, 102
Decimal	5727838
CIE _{Lab}	41.75, -7.47, 2.60
CIE _{LCh}	42, 7.907, 160.782
Yxy	12.3371, 0.3019, 0.3481
Android (android.graphics.Color)	4283917918 (0xFF57665E)
YUV	96.6030, -1.2833, -8.4218
Hunter-Lab	35.1242, -7.0792, 3.6440

Details

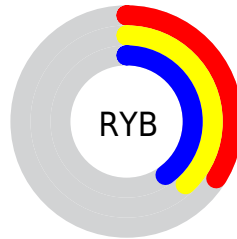
The XYZ color **10.7022, 12.3371, 12.4069** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.9536, 10.4677, 12.2701**, and the grayscale version is **11.2694, 11.8563, 12.9115**.

A 20% lighter version of the original color is **26.7418, 30.1144, 30.7888**, and **2.8545, 3.4380, 3.3095** is the 20% darker color. If you saturate the color by 10%, you get **9.5808, 11.7866, 11.1247**, and if you desaturate by 10%, it is **11.9761, 12.9649, 13.7866**.

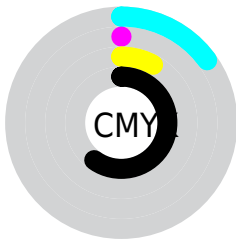
Distribution



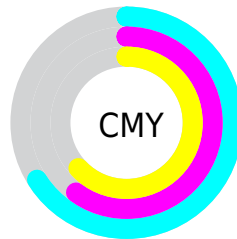
- Red (34%)
- Green (40%)
- Blue (37%)



- Red (34%)
- Yellow (38%)
- Blue (40%)



- Cyan (15%)
- Magenta (0%)
- Yellow (8%)
- Black (60%)



- Cyan (66%)
- Magenta (60%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7022, 12.3371, 12.4069 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 10.7022, 12.3371, 12.4069 by changing the saturation by 10% instead.

■ 10.7022, 12.3371,
12.4069

■ 10.7022, 12.3371,
12.4069

189.5637,
206.6244, 218.1534

■ 5.9328, 6.9737,
6.8955

■ 26.7460, 30.1076,
30.9095

■ 2.8445, 3.4457,
3.3194

■ 38.7511, 43.2835,
44.7377

■ 1.0721, 1.3686,
1.2599

■ 53.8988, 59.8323,
62.1754

■ 0.0016, 0.1934,
0.0286

■ 72.5545, 80.1384,
83.6410

■ 0.0000, 0.0000,
0.0000

■ 95.0834, 104.5863,
109.5531

121.8510,

133.5604, 140.3301

153.2227,
167.4449, 176.3907

■ 10.7022, 12.3371,
12.4069

■ 10.7022, 12.3371,
12.4069

■ 9.5808, 11.7866,
11.1247

■ 11.9761, 12.9649,
13.7866

■ 8.6050, 11.3088,
9.9372

■ 13.4071, 13.6714,
15.2650

■ 7.7686, 10.9010,
8.8422

■ 15.0008, 14.4597,
16.8444

■ 7.0648, 10.5597,
7.8377

■ 16.7625, 15.3324,
18.5267

■ 6.4862, 10.2811,
6.9211

■ 18.6968, 16.2921,
20.3139

■ 6.0245, 10.0610,
6.0900

■ 20.8085, 17.3410,
22.2076

■ 5.6703, 9.8946,
5.3417

■ 23.1020, 18.4814,
24.2098

■ 5.4052, 9.7725,
4.6732

■ 25.5817, 19.7155,
26.3220

■ 5.2768, 9.7133,
4.3496

■ 28.2517, 21.0455,
28.5461

Harmonies

Analogous

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



11.0112, 12.3371, 11.1526



10.7022, 12.3371, 12.4069



10.6622, 12.3371, 14.0406

Triad

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



10.7022, 12.3371, 12.4069



11.9363, 12.3371, 16.8284



12.5927, 12.3371, 11.4492

Complementary

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



10.7022, 12.3371, 12.4069



10.9536, 10.4677, 12.2701

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.



12.8584, 12.3371, 12.8432



10.7022, 12.3371, 12.4069



12.4712, 12.3371, 16.0049

Square

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



10.7022, 12.3371, 12.4069



11.3621, 12.3371, 16.6872



12.8132, 12.3371, 14.5142



12.0977, 12.3371, 10.6320

Rectangle

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



10.7022, 12.3371, 12.4069



10.7920, 12.3371, 15.1383



12.8132, 12.3371, 14.5142



12.7125, 12.3371, 11.8608

Sweetspot

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



10.7025, 12.3376, 12.4072



21.1433, 22.8061, 24.3262



11.2174, 12.6377, 10.8651



4.9554, 5.3641, 5.7044



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



10.7025, 12.3376, 12.4072



17.9889, 21.2529, 20.8819



11.0435, 12.4740, 14.2025



2.8453, 3.1619, 3.2870



6.7575, 12.4666, 5.4845



34.8095, 64.8464, 26.3167

Inverse Universe

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



10.9536, 10.4677, 12.2701



18.5296, 17.2261, 20.5866



10.6391, 10.3419, 10.6139



2.8847, 2.8686, 3.2655



7.8852, 3.9670, 4.7939



40.6802, 20.5121, 22.6571

Previews

White Background



This preview shows how the XYZ color 10.7022, 12.3371, 12.4069 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 10.7022, 12.3371, 12.4069 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

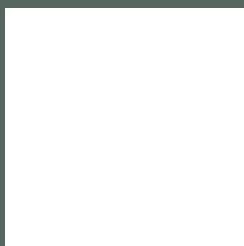
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.7022, 12.3371, 12.4069

Background



This preview shows how black text looks on a background with the XYZ color 10.7022, 12.3371, 12.4069.



This preview shows how white text looks on a background with the XYZ color 10.7022, 12.3371,

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

10.7022, 12.3371, 12.4069

Protanopia

11.7789, 12.3329, 11.8849

Deuteranopia

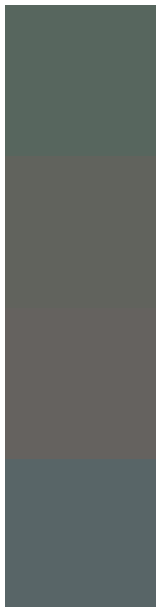
12.4644, 12.2619, 12.5363



Tritanopia

11.3838, 12.3209, 15.9655

Trichromacy



Original Color

10.7022, 12.3371, 12.4069

Protanomaly

11.3674, 12.2554, 12.1223

Deuteranomaly

11.8001, 12.3283, 12.5841

Tritanomaly

11.1264, 12.3613, 14.6315

Monochromacy



Original Color

10.7022, 12.3371, 12.4069

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0874, 12.0954, 12.8166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7022, 12.3371, 12.4069 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(87, 102, 94) looks like.

```
.text, #text, p{  
    color:rgb(87, 102, 94)  
}
```

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(87, 102, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 102, 94) }
```

Border

The CSS property to change the border of an element to XYZ 10.7022, 12.3371, 12.4069 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(87, 102, 94) }
```


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

```
.border{ border-color:rgb(87, 102, 94) }
```

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

Here you see how a box with a 4 pixel rgb(87, 102, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 102, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 102, 94);  
box-shadow:4px 4px 4px 4px rgb(87, 102,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7022, 12.3371, 12.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 102, 94) }
```

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

```
.background{ background-color: rgb(87, 102,  
94) }
```

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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