

Converting Colors

XYZ(10.7458, 12.5976, 11.8244)

Have a look what the booklet for
XYZ(10.7458, 12.5976, 11.8244)
contains.

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Color

**XYZ(10.7691, 12.6822,
11.7778)**

Conversions

Conversions Part 1

Format	Color
Hex	57685B
RGB	87, 104, 91
RGB Percent	34%, 41%, 36%
CMY	0.6588, 0.5921, 0.6431
CMYK	0.16, 0.00, 0.13, 0.59
HSL	134°, 9%, 37%
HSV	134°, 16%, 41%
XYZ	10.7691, 12.6822, 11.7778
YIQ	97.4350, -5.9590, -7.6470

Conversions

Conversions Part 2

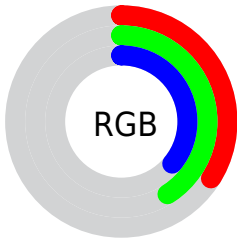
Format	Color
R_{YB}	87, 101, 104
Decimal	5728347
CIE _{Lab}	42.28, -9.26, 5.19
CIE _{LCh}	42, 10.618, 150.741
Yxy	12.6822, 0.3057, 0.3600
Android (android.graphics.Color)	4283918427 (0xFF57685B)
YUV	97.4350, -3.1725, -9.1515
Hunter-Lab	35.6121, -8.3427, 5.3198

Details

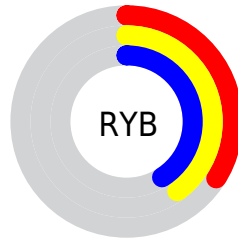
The XYZ color **10.7691, 12.6822, 11.7778** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4178, 10.6798, 13.5168**, and the grayscale version is **11.4783, 12.0761, 13.1509**.

A 20% lighter version of the original color is **26.8456, 30.6841, 29.7070**, and **2.8512, 3.5871, 3.0247** is the 20% darker color. If you saturate the color by 10%, you get **9.5421, 12.0876, 10.0234**, and if you desaturate by 10%, it is **12.1731, 13.3646, 13.7309**.

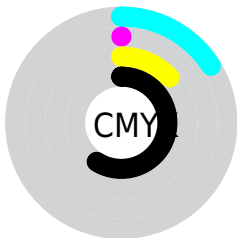
Distribution



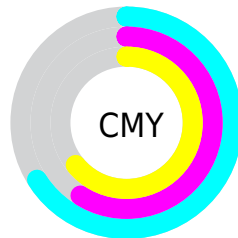
- Red (34%)
- Green (41%)
- Blue (36%)



- Red (34%)
- Yellow (40%)
- Blue (41%)



- Cyan (16%)
- Magenta (0%)
- Yellow (13%)
- Black (59%)



- Cyan (66%)
- Magenta (59%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7691, 12.6822, 11.7778 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 10.7691, 12.6822, 11.7778 by changing the saturation by 10% instead.

■ 10.7691, 12.6822,
11.7778

■ 10.7691, 12.6822,
11.7778

190.0177,
208.8708, 213.8541

■ 5.9779, 7.2101,
6.4719

■ 26.8692, 30.7317,
29.7481

■ 2.8722, 3.5938,
3.0607

■ 38.9087, 44.0778,
43.2495

■ 1.0865, 1.4491,
1.1257

■ 54.0952, 60.8173,
60.3198

■ 0.0138, 0.2525,
0.0000

■ 72.7939, 81.3347,
81.3776

■ 0.0000, 0.0000,
0.0000

■ 95.3701, 106.0144,
106.8414

122.1892,

135.2407, 137.1297

153.6166,
169.3980, 172.6611

■ 10.7691, 12.6822,
11.7778

■ 10.7691, 12.6822,
11.7778

■ 9.5421, 12.0876,
10.0234

■ 12.1731, 13.3646,
13.7309

■ 8.4841, 11.5756,
8.4607

■ 13.7597, 14.1364,
15.8877

■ 7.5876, 11.1431,
7.0833

■ 15.5356, 15.0014,
18.2544

■ 6.8447, 10.7858,
5.8843

■ 17.5069, 15.9625,
20.8362

■ 6.2464, 10.4995,
4.8565

■ 19.6793, 17.0226,
23.6386

■ 5.7829, 10.2792,
3.9919

■ 22.0583, 18.1845,
26.6666

■ 5.4430, 10.1194,
3.2821

■ 24.6492, 19.4507,
29.9250

■ 5.2003, 10.0065,
2.7171

■ 27.4571, 20.8238,
33.4187

■ 5.1204, 9.9691,
2.5443

■ 30.4869, 22.3063,
37.1523

Harmonies

Analogous

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



11.2895, 12.6822, 10.3777



10.7691, 12.6822, 11.7778



10.5893, 12.6822, 13.8655

Triad

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



10.7691, 12.6822, 11.7778



12.0738, 12.6822, 18.6648



13.4161, 12.6822, 11.6898

Complementary

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



10.7691, 12.6822, 11.7778



11.4178, 10.6798, 13.5168

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.



13.6480, 12.6822, 13.7522



10.7691, 12.6822, 11.7778



12.8524, 12.6822, 17.9233

Square

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



10.7691, 12.6822, 11.7778



11.3223, 12.6822, 17.9908



13.4374, 12.6822, 16.0607



12.8167, 12.6822, 10.3309

Rectangle

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



10.7691, 12.6822, 11.7778



10.6803, 12.6822, 15.4178



13.4374, 12.6822, 16.0607



13.5408, 12.6822, 12.3157

Sweetspot

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



10.7694, 12.6827, 11.7781



21.6742, 23.6008, 24.5259



11.9303, 13.3006, 10.9554



5.2546, 5.7418, 5.9379



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



10.7694, 12.6827, 11.7781



17.9485, 21.7914, 19.3232



11.1557, 12.8372, 13.8121



2.8211, 3.1522, 3.1597



6.3001, 12.2836, 3.0757



32.5650, 63.9486, 14.4973

Inverse Universe

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



11.4178, 10.6798, 13.5168



19.3396, 17.4932, 23.0532



11.0289, 10.5243, 11.4689



2.9098, 2.8786, 3.3973



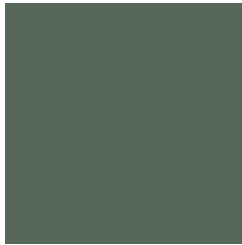
8.7886, 4.3284, 9.5510



45.4877, 22.4351, 47.9728

Previews

White Background



This preview shows how the XYZ color 10.7691, 12.6822, 11.7778 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 10.7691, 12.6822, 11.7778 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 10.7691, 12.6822, 11.7778

Background



This preview shows how black text looks on a background with the XYZ color 10.7691, 12.6822, 11.7778.

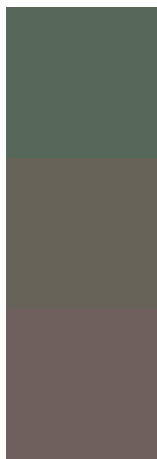


This preview shows how white text looks on a background with the XYZ color 10.7691, 12.6822,

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

10.7691, 12.6822, 11.7778

Protanopia

11.9739, 12.5880, 11.2498

Deuteranopia

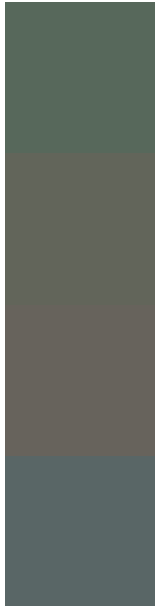
12.8407, 12.6008, 12.1113



Tritanopia

11.6304, 12.5851, 16.2842

Trichromacy



Original Color

10.7691, 12.6822, 11.7778

Protanomaly

11.5361, 12.6422, 11.5050

Deuteranomaly

11.9871, 12.5800, 11.9216

Tritanomaly

11.2695, 12.5859, 14.4057

Monochromacy



Original Color

10.7691, 12.6822, 11.7778

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.1369, 12.2677, 12.6074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7691, 12.6822, 11.7778 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, 104, 91)` looks like.

```
.text, #text, p{  
    color:rgb(87, 104, 91)  
}
```

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, 104, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 104, 91) }
```

Border

The CSS property to change the border of an element to XYZ 10.7691, 12.6822, 11.7778 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, 104, 91) }
```


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

```
.border{ border-color:rgb(87, 104, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 104, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 104, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 104, 91);  
box-shadow:4px 4px 4px 4px rgb(87, 104,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7691, 12.6822, 11.7778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 104, 91) }
```

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

```
.background{ background-color: rgb(87, 104,  
91) }
```

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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