

Converting Colors

XYZ(10.6450, 12.9012, 10.9177)

Have a look what the booklet for
XYZ(10.6450, 12.9012, 10.9177)
contains.

XYZ(10.7121, 12.9746, 10.9566)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.7121, 12.9746,
10.9566)**

Conversions

Conversions Part 1

Format	Color
Hex	566A57
RGB	86, 106, 87
RGB Percent	34%, 42%, 34%
CMY	0.6627, 0.5843, 0.6588
CMYK	0.19, 0.00, 0.18, 0.58
HSL	123°, 10%, 38%
HSV	123°, 19%, 42%
XYZ	10.7121, 12.9746, 10.9566
YIQ	97.8540, -5.8210, -10.1490

Conversions

Conversions Part 2

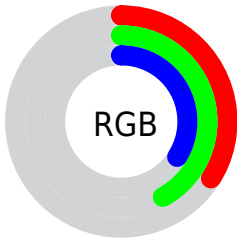
Format	Color
RYB	86, 105, 106
Decimal	5663319
CIELab	42.72, -11.61, 8.22
CIELCh	43, 14.226, 144.680
Yxy	12.9746, 0.3092, 0.3745
Android (android.graphics.Color)	4283853399 (0xFF566A57)
YUV	97.8540, -5.3510, -10.3960
Hunter-Lab	36.0203, -9.9512, 7.1794

Details

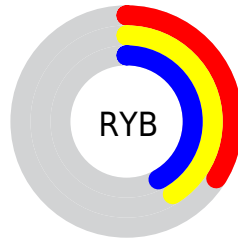
The XYZ color **10.7121, 12.9746, 10.9566** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8219, 10.7400, 14.8152**, and the grayscale version is **11.5874, 12.1908, 13.2758**.

A 20% lighter version of the original color is **26.7257, 31.1543, 28.2717**, and **2.8570, 3.7462, 2.7630** is the 20% darker color. If you saturate the color by 10%, you get **9.4245, 12.3554, 8.8965**, and if you desaturate by 10%, it is **12.2026, 13.6925, 13.3264**.

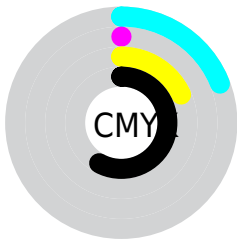
Distribution



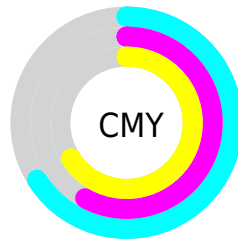
- Red (34%)
- Green (42%)
- Blue (34%)



- Red (34%)
- Yellow (41%)
- Blue (42%)



- Cyan (19%)
- Magenta (0%)
- Yellow (18%)
- Black (58%)



- Cyan (66%)
- Magenta (58%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7121, 12.9746, 10.9566 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 10.7121, 12.9746, 10.9566 by changing the saturation by 10% instead.

■ 10.7121, 12.9746,
10.9566

■ 10.7121, 12.9746,
10.9566

189.6310,
210.7548, 208.0963

■ 5.9394, 7.4111,
5.9239

■ 26.7642, 31.2581,
28.2153

■ 2.8486, 3.7205,
2.7308

■ 38.7745, 44.7469,
41.2784

■ 1.0742, 1.5185,
0.9589

■ 53.9279, 61.6463,
57.8552

■ 0.0034, 0.3017,
0.0000

■ 72.5899, 82.3405,
78.3645

■ 0.0000, 0.0000,
0.0000

■ 95.1259, 107.2141,
103.2247

121.9011,

136.6514, 132.8544

153.2810,
171.0369, 167.6721

■ 10.7121, 12.9746,
10.9566

■ 10.7121, 12.9746,
10.9566

■ 9.4245, 12.3554,
8.8965

■ 12.2026, 13.6925,
13.3264

■ 8.3300, 11.8291,
7.1325

■ 13.9032, 14.5114,
16.0172

■ 7.4197, 11.3917,
5.6513

■ 15.8219, 15.4356,
19.0404

■ 6.6833, 11.0382,
4.4381

■ 17.9661, 16.4686,
22.4070

■ 6.1099, 10.7632,
3.4771

■ 20.3428, 17.6140,
26.1272

■ 5.6870, 10.5609,
2.7503

■ 22.9586, 18.8748,
30.2110

■ 5.4005, 10.4242,
2.2378

■ 25.8200, 20.2542,
34.6679

■ 5.2046, 10.3304,
1.9046

■ 28.9331, 21.7552,
39.5069

■ 5.1833, 10.3201,
1.8710

■ 32.3041, 23.3807,
44.7370

Harmonies

Analogous

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



11.4840, 12.9746, 9.3778



10.7121, 12.9746, 10.9566



10.3754, 12.9746, 13.5822

Triad

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



10.7121, 12.9746, 10.9566



12.1402, 12.9746, 20.9242



14.3193, 12.9746, 11.7838

Complementary

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



10.7121, 12.9746, 10.9566



11.8219, 10.7400, 14.8152

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.



14.5202, 12.9746, 14.6865



10.7121, 12.9746, 10.9566



13.2207, 12.9746, 20.2580

Square

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



10.7121, 12.9746, 10.9566



11.1685, 12.9746, 19.5640



14.1074, 12.9746, 17.8569



13.5735, 12.9746, 9.8043

Rectangle

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



10.7121, 12.9746, 10.9566



10.4280, 12.9746, 15.6905



14.1074, 12.9746, 17.8569



14.4546, 12.9746, 12.6712

Sweetspot

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



10.7124, 12.9752, 10.9569



22.1847, 24.4002, 24.6072



12.6992, 14.0041, 10.8380



5.1684, 5.7021, 5.7193



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.



10.7124, 12.9752, 10.9569



17.6790, 22.2314, 17.4388



11.1343, 13.1439, 13.1785



3.0696, 3.4470, 3.3502



6.4284, 12.8055, 2.3013



32.6598, 65.2110, 11.2212

Inverse Universe

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



11.8219, 10.7400, 14.8152



20.0409, 17.4727, 25.6523



11.3528, 10.5524, 12.3449



3.2113, 3.1614, 3.8433



10.2698, 4.9600, 15.5810



52.2317, 25.2346, 78.8800

Previews

White Background



This preview shows how the XYZ color 10.7121, 12.9746, 10.9566 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 10.7121, 12.9746, 10.9566 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 10.7121, 12.9746, 10.9566

Background



This preview shows how black text looks on a background with the XYZ color 10.7121, 12.9746, 10.9566.



This preview shows how white text looks on a background with the XYZ color 10.7121, 12.9746,

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

10.7121, 12.9746, 10.9566

Protanopia

12.1013, 12.8186, 10.2239

Deuteranopia

13.1481, 12.9155, 11.2512



Tritanopia

11.9359, 13.0219, 16.9233

Trichromacy



Original Color

10.7121, 12.9746, 10.9566

Protanomaly

11.5367, 12.8113, 10.4591

Deuteranomaly

12.0275, 12.7620, 11.0619

Tritanomaly

11.4684, 12.9838, 14.4720

Monochromacy



Original Color

10.7121, 12.9746, 10.9566

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.2902, 12.4952, 12.4064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7121, 12.9746, 10.9566 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(86, 106, 87) looks like.

```
.text, #text, p{  
    color:rgb(86, 106, 87)  
}
```

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(86, 106, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 106, 87) }
```

Border

The CSS property to change the border of an element to XYZ 10.7121, 12.9746, 10.9566 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(86, 106, 87) }
```


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

```
.border{ border-color:rgb(86, 106, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 106, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 106, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 106, 87);  
box-shadow:4px 4px 4px 4px rgb(86, 106,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7121, 12.9746, 10.9566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 106, 87) }
```

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

```
.background{ background-color: rgb(86, 106,  
87) }
```

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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