

Converting Colors

XYZ(10.8121, 12.9257, 7.7795)

Have a look what the booklet for
XYZ(10.8121, 12.9257, 7.7795)
contains.

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Color

**XYZ(10.7732, 12.9250,
7.7213)**

Conversions

Conversions Part 1

Format	Color
Hex	5E6946
RGB	94, 105, 70
RGB Percent	37%, 41%, 27%
CMY	0.6314, 0.5882, 0.7255
CMYK	0.10, 0.00, 0.33, 0.59
HSL	79°, 20%, 34%
HSV	79°, 33%, 41%
XYZ	10.7732, 12.9250, 7.7213
YIQ	97.7210, 4.6790, -13.2170

Conversions

Conversions Part 2

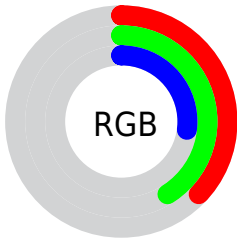
Format	Color
RYB	70, 105, 81
Decimal	6187334
CIELab	42.65, -10.83, 18.34
CIELCh	43, 21.295, 120.556
Yxy	12.9250, 0.3429, 0.4114
Android (android.graphics.Color)	4284377414 (0xFF5E6946)
YUV	97.7210, -13.6665, -3.2633
Hunter-Lab	35.9514, -9.4255, 12.4322

Details

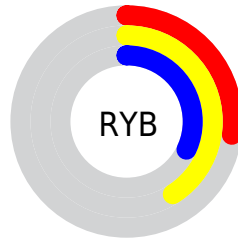
The XYZ color **10.7732, 12.9250, 7.7213** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.1337, 7.1498, 14.3166**, and the grayscale version is **11.5725, 12.1751, 13.2587**.

A 20% lighter version of the original color is **26.8953, 31.1286, 22.0436**, and **2.8718, 3.7050, 1.5411** is the 20% darker color. If you saturate the color by 10%, you get **10.1392, 12.6336, 6.1102**, and if you desaturate by 10%, it is **11.4803, 13.2482, 9.6390**.

Distribution



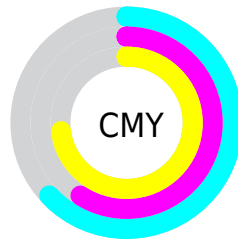
- Red (37%)
- Green (41%)
- Blue (27%)



- Red (27%)
- Yellow (41%)
- Blue (32%)



- Cyan (10%)
- Magenta (0%)
- Yellow (33%)
- Black (59%)



- Cyan (63%)
- Magenta (59%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7732, 12.9250, 7.7213 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 10.7732, 12.9250, 7.7213 by changing the saturation by 10% instead.

■ 10.7732, 12.9250,
7.7213

■ 10.7732, 12.9250,
7.7213

190.0455,
210.4364, 183.3816

■ 5.9807, 7.3769,
3.8319

■ 26.8767, 31.1690,
21.9473

■ 2.8739, 3.6989,
1.5336

■ 38.9184, 44.6337,
33.1211

■ 1.0874, 1.5066,
0.2428

■ 54.1072, 61.5060,
47.5600

■ 0.0146, 0.2934,
0.0000

■ 72.8085, 82.1704,
65.6827

■ 0.0000, 0.0000,
0.0000

■ 95.3876, 107.0113,
87.9076

122.2099,

136.4130, 114.6534

153.6408,
170.7599, 146.3386

■ 10.7732, 12.9250,
7.7213

■ 10.7732, 12.9250,
7.7213

■ 10.1392, 12.6336,
6.1102

■ 11.4803, 13.2482,
9.6390

■ 9.5742, 12.3709,
4.7890

■ 12.2625, 13.6027,
11.8772

■ 9.0749, 12.1362,
3.7406

■ 13.1230, 13.9903,
14.4499

■ 8.6376, 11.9280,
2.9457

■ 14.0643, 14.4119,
17.3703

■ 8.2579, 11.7443,
2.3827

■ 15.0890, 14.8686,
20.6506

■ 7.9295, 11.5827,
2.0188

■ 16.1995, 15.3614,
24.3024

■ 7.7242, 11.4813,
1.8090

■ 17.3979, 15.8911,
28.3370

■ 18.6867, 16.4588,
32.7651

■ 20.0677, 17.0653,
37.5969

Harmonies

Analogous

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



12.2547, 12.9250, 6.9233



10.7732, 12.9250, 7.7213



9.7748, 12.9250, 10.1394

Triad

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



10.7732, 12.9250, 7.7213



10.8211, 12.9250, 23.3224



15.6580, 12.9250, 13.9871

Complementary

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



10.7732, 12.9250, 7.7213



8.1337, 7.1498, 14.3166

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.



15.1915, 12.9250, 18.9118



10.7732, 12.9250, 7.7213



12.3150, 12.9250, 24.9673

Square

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



10.7732, 12.9250, 7.7213



9.8007, 12.9250, 19.0943



13.9316, 12.9250, 23.2019



15.1568, 12.9250, 10.0198

Rectangle

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



10.7732, 12.9250, 7.7213



9.4698, 12.9250, 12.6641



13.9316, 12.9250, 23.2019



15.6087, 12.9250, 15.5830

Sweetspot

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



10.7735, 12.9256, 7.7216



22.4109, 24.5613, 22.6052



9.8370, 9.2566, 7.0628



5.2140, 5.7374, 5.1895



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.



10.7735, 12.9256, 7.7216



18.3918, 22.7305, 11.5250



9.2180, 12.1237, 7.6488



3.2452, 3.5382, 3.3294



9.7411, 14.5169, 2.2886



48.7098, 73.4929, 11.6183

Inverse Universe

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



8.1337, 7.1498, 14.3166



12.8781, 10.6603, 25.3099



9.7774, 7.9972, 14.3935



3.0297, 3.0670, 3.8672



3.9868, 1.6823, 17.0368



19.5069, 8.1558, 86.7723

Previews

White Background



This preview shows how the XYZ color 10.7732, 12.9250, 7.7213 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 10.7732, 12.9250, 7.7213 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 10.7732, 12.9250, 7.7213

Background



This preview shows how black text looks on a background with the XYZ color 10.7732, 12.9250, 7.7213.



This preview shows how white text looks on a background with the XYZ color 10.7732, 12.9250,

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

10.7732, 12.9250, 7.7213

Protanopia

12.0037, 12.9759, 7.3408

Deuteranopia

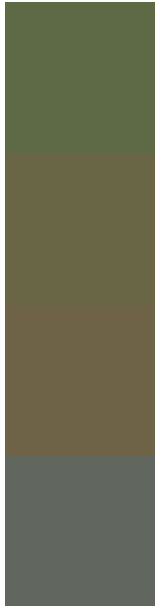
12.9603, 12.7556, 7.9099



Tritanopia

12.4095, 12.8497, 16.0135

Trichromacy



Original Color

10.7732, 12.9250, 7.7213

Protanomaly

11.5345, 12.8755, 7.5075

Deuteranomaly

12.0296, 12.6936, 7.7773

Tritanomaly

11.7015, 12.8523, 12.4537

Monochromacy



Original Color

10.7732, 12.9250, 7.7213

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.3449, 12.5533, 11.0576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7732, 12.9250, 7.7213 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(94, 105, 70) looks like.

```
.text, #text, p{  
    color:rgb(94, 105, 70)  
}
```

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(94, 105, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 105, 70) }
```

Border

The CSS property to change the border of an element to XYZ 10.7732, 12.9250, 7.7213 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(94, 105, 70) }
```


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

```
.border{ border-color:rgb(94, 105, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 105, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 105, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 105, 70);  
box-shadow:4px 4px 4px 4px rgb(94, 105,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7732, 12.9250, 7.7213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 105, 70) }
```

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

```
.background{ background-color: rgb(94, 105,  
70) }
```

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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