

Converting Colors

XYZ(12.1750, 12.6318, 10.0199)

Have a look what the booklet for
XYZ(12.1750, 12.6318, 10.0199)
contains.

XYZ(12.1134, 12.5480, 9.9672)	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(12.1134, 12.5480,
9.9672)**

Conversions

Conversions Part 1

Format	Color
Hex	6C6253
RGB	108, 98, 83
RGB Percent	42%, 38%, 33%
CMY	0.5765, 0.6157, 0.6745
CMYK	0.00, 0.09, 0.23, 0.58
HSL	36°, 13%, 37%
HSV	36°, 23%, 42%
XYZ	12.1134, 12.5480, 9.9672
YIQ	99.2800, 10.7750, -2.5450

Conversions

Conversions Part 2

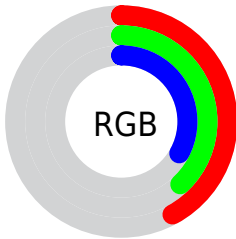
Format	Color
RYB	100, 108, 83
Decimal	7103059
CIELab	42.07, 1.30, 9.99
CIELCh	42, 10.076, 82.582
Yxy	12.5480, 0.3498, 0.3624
Android (android.graphics.Color)	4285293139 (0xFF6C6253)
YUV	99.2800, -8.0260, 7.6474
Hunter-Lab	35.4232, -0.9502, 8.1135

Details

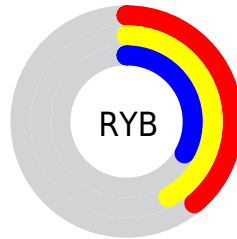
The XYZ color **12.1134, 12.5480, 9.9672** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.1885, 10.7504, 15.7257**, and the grayscale version is **11.9483, 12.5706, 13.6894**.

A 20% lighter version of the original color is **29.4095, 30.6344, 26.1928**, and **3.4413, 3.5566, 2.3388** is the 20% darker color. If you saturate the color by 10%, you get **11.3353, 11.6078, 7.8084**, and if you desaturate by 10%, it is **12.9790, 13.5589, 12.4760**.

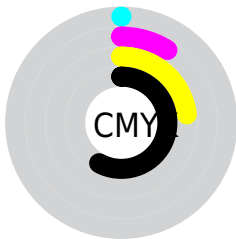
Distribution



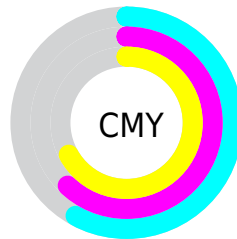
- Red (42%)
- Green (38%)
- Blue (33%)



- Red (39%)
- Yellow (42%)
- Blue (33%)



- Cyan (0%)
- Magenta (9%)
- Yellow (23%)
- Black (58%)



- Cyan (58%)
- Magenta (62%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1134, 12.5480, 9.9672 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 12.1134, 12.5480, 9.9672 by changing the saturation by 10% instead.

■ 12.1134, 12.5480,
9.9672

■ 12.1134, 12.5480,
9.9672

198.9092,
208.0002, 200.9141

■ 6.8937, 7.1180,
5.2719

■ 29.3165, 30.4893,
26.3406

■ 3.4414, 3.5360,
2.3461

■ 42.0307, 43.7695,
38.8559

■ 1.3913, 1.4176,
0.7569

■ 57.9737, 60.4352,
54.8148

■ 0.2500, 0.2296,
0.0000

■ 77.5109, 80.8707,
74.6360

■ 0.0000, 0.0000,
0.0000

■ 101.0078,
105.4607, 98.7380

128.8295,

134.5893, 127.5393

161.3415,
168.6410, 161.4585

■ 12.1134, 12.5480,
9.9672

■ 12.1134, 12.5480,
9.9672

■ 11.3353, 11.6078,
7.8084

■ 12.9790, 13.5589,
12.4760

■ 10.6403, 10.7349,
5.9829

■ 13.9342, 14.6407,
15.3489

■ 10.0252, 9.9277,
4.4739

■ 14.9823, 15.7956,
18.6002

■ 9.4861, 9.1841,
3.2625

■ 16.1261, 17.0252,
22.2431

■ 9.0187, 8.5018,
2.3281

■ 17.3683, 18.3312,
26.2903

■ 8.6182, 7.8784,
1.6474

■ 18.7115, 19.7150,
30.7539

■ 8.2780, 7.3105,
1.1873

■ 20.1582, 21.1782,
35.6453

■ 8.0637, 6.9467,
0.9158

■ 21.7108, 22.7221,
40.9757

■ 23.3715, 24.3481,
46.7557

Harmonies

Analogous

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



12.8232, 12.5480, 10.6417



12.1134, 12.5480, 9.9672



11.3820, 12.5480, 10.1972

Triad

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



12.1134, 12.5480, 9.9672



10.6456, 12.5480, 15.3085



13.1073, 12.5480, 16.3251

Complementary

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



12.1134, 12.5480, 9.9672



10.1885, 10.7504, 15.7257

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.



12.4881, 12.5480, 17.8357



12.1134, 12.5480, 9.9672



11.0726, 12.5480, 17.2072

Square

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



12.1134, 12.5480, 9.9672



10.5546, 12.5480, 13.1370



11.7415, 12.5480, 18.1743



13.4124, 12.5480, 14.2021

Rectangle

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



12.1134, 12.5480, 9.9672



10.9783, 12.5480, 10.8452



11.7415, 12.5480, 18.1743



12.9278, 12.5480, 16.9301

Sweetspot

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



12.1137, 12.5486, 9.9675



23.7656, 24.9201, 24.8291



11.2536, 10.1652, 11.7251



5.7374, 6.0149, 5.9648



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.



12.1137, 12.5486, 9.9675



20.4814, 21.0885, 15.2978



12.8087, 14.3836, 10.2850



3.2366, 3.3904, 3.3013



9.5909, 8.2316, 1.0834



48.0037, 40.2111, 5.2314

Inverse Universe

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



10.1885, 10.7504, 15.7257



16.4414, 17.3158, 27.3834



9.5921, 9.2242, 15.4625



3.0385, 3.2054, 3.8934



4.2416, 3.3175, 17.3390



20.8098, 15.2981, 88.0822

Previews

White Background



This preview shows how the XYZ color 12.1134, 12.5480, 9.9672 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 12.1134, 12.5480, 9.9672 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

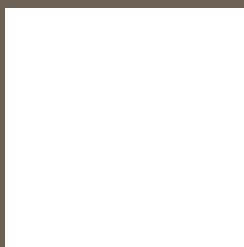
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1134, 12.5480, 9.9672

Background



This preview shows how black text looks on a background with the XYZ color 12.1134, 12.5480, 9.9672.

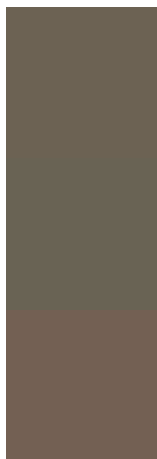


This preview shows how white text looks on a background with the XYZ color 12.1134, 12.5480,

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

12.1134, 12.5480, 9.9672

Protanopia

11.8878, 12.5670, 10.1866

Deuteranopia

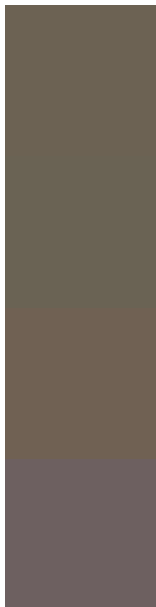
12.8144, 12.6351, 9.9470



Tritanopia

12.9708, 12.4787, 14.5570

Trichromacy



Original Color

12.1134, 12.5480, 9.9672

Protanomaly

12.0059, 12.6279, 10.1922

Deuteranomaly

12.5181, 12.6187, 9.9595

Tritanomaly

12.6009, 12.4615, 12.8075

Monochromacy



Original Color

12.1134, 12.5480, 9.9672

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9171, 12.5388, 12.1481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1134, 12.5480, 9.9672 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(108, 98, 83)` looks like.

```
.text, #text, p{  
    color:rgb(108, 98, 83)  
}
```

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(108, 98, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 98, 83) }
```

Border

The CSS property to change the border of an element to XYZ 12.1134, 12.5480, 9.9672 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(108, 98, 83) }
```


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

```
.border{ border-color:rgb(108, 98, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 98, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 98, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 98, 83);  
box-shadow:4px 4px 4px 4px rgb(108, 98,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1134, 12.5480, 9.9672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 98, 83) }
```

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

```
.background{ background-color: rgb(108, 98,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor