

Converting Colors

XYZ(12.1710, 13.2114, 14.3753)

Have a look what the booklet for
XYZ(12.1710, 13.2114, 14.3753)
contains.

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Color

**XYZ(12.1783, 13.2012,
14.4766)**

Conversions

Conversions Part 1

Format	Color
Hex	616766
RGB	97, 103, 102
RGB Percent	38%, 40%, 40%
CMY	0.6196, 0.5961, 0.6000
CMYK	0.06, 0.00, 0.01, 0.60
HSL	170°, 3%, 39%
HSV	170°, 6%, 40%
XYZ	12.1783, 13.2012, 14.4766
YIQ	101.0920, -3.2550, -1.5830

Conversions

Conversions Part 2

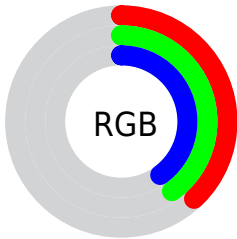
Format	Color
R_{YB}	97, 100, 103
Decimal	6383462
CIE _{Lab}	43.06, -2.52, -0.24
CIE _{LCh}	43, 2.532, 185.485
Yxy	13.2012, 0.3056, 0.3312
Android (android.graphics.Color)	4284573542 (0xFF616766)
YUV	101.0920, 0.4476, -3.5887
Hunter-Lab	36.3335, -3.7537, 1.8101

Details

The XYZ color **12.1783, 13.2012, 14.4766** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0733, 12.3152, 13.2967**, and the grayscale version is **12.3932, 13.0386, 14.1990**.

A 20% lighter version of the original color is **29.5181, 31.7070, 34.7013**, and **3.4690, 3.8080, 4.1666** is the 20% darker color. If you saturate the color by 10%, you get **11.0670, 12.6384, 13.9843**, and if you desaturate by 10%, it is **13.4347, 13.8393, 14.9854**.

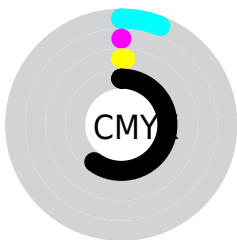
Distribution



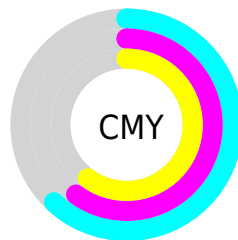
- Red (38%)
- Green (40%)
- Blue (40%)



- Red (38%)
- Yellow (39%)
- Blue (40%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (60%)



- Cyan (62%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1783, 13.2012, 14.4766 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 12.1783, 13.2012, 14.4766 by changing the saturation by 10% instead.

■ 12.1783, 13.2012,
14.4766

■ 12.1783, 13.2012,
14.4766

199.3280,
212.2031, 231.7066

■ 6.9383, 7.5672,
8.3104

■ 29.4335, 31.6648,
34.6615

■ 3.4695, 3.8193,
4.2036

■ 42.1793, 45.2632,
49.5173

■ 1.4066, 1.5730,
1.7377

■ 58.1579, 62.2852,
68.1067

■ 0.2610, 0.3393,
0.3864

■ 77.7345, 83.1152,
90.8482

■ 0.0000, 0.0000,
0.0000

101.2744,
108.1376, 118.1605

129.1431,

137.7368, 150.4619

161.7058,
172.2972, 188.1711

■ 12.1783, 13.2012,
14.4766

■ 12.1783, 13.2012,
14.4766

■ 11.0670, 12.6384,
13.9843

■ 13.4347, 13.8393,
14.9854

■ 10.0942, 12.1465,
13.5075

■ 14.8401, 14.5537,
15.5102

■ 9.2544, 11.7229,
13.0459

■ 16.4000, 15.3474,
16.0516

■ 8.5414, 11.3645,
12.5994

■ 18.1189, 16.2230,
16.6099

■ 7.9486, 11.0678,
12.1675

■ 20.0014, 17.1827,
17.1852

■ 7.4685, 10.8290,
11.7499

■ 22.0517, 18.2286,
17.7779

■ 7.0930, 10.6440,
11.3460

■ 24.2740, 19.3631,
18.3882

■ 6.8127, 10.5079,
10.9554

■ 26.6723, 20.5880,
19.0163

■ 6.6054, 10.4092,
10.5771

■ 29.2505, 21.9055,
19.6625

Harmonies

Analogous

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



[12.2097](#), [13.2012](#), [13.9335](#)



[12.1783](#), [13.2012](#), [14.4766](#)



[12.2449](#), [13.2012](#), [15.0054](#)

Triad

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



12.1783, 13.2012, 14.4766



12.7660, 13.2012, 15.2649



12.7034, 13.2012, 13.4201

Complementary

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



12.1783, 13.2012, 14.4766



12.0733, 12.3152, 13.2967

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.



12.8547, 13.2012, 13.7603



12.1783, 13.2012, 14.4766



12.8911, 13.2012, 14.8234

Square

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



12.1783, 13.2012, 14.4766



12.5832, 13.2012, 15.4680



12.9238, 13.2012, 14.2716



12.5116, 13.2012, 13.3326

Rectangle

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



12.1783, 13.2012, 14.4766



12.3364, 13.2012, 15.2757



12.9238, 13.2012, 14.2716



12.7607, 13.2012, 13.5082

Sweetspot

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



12.1787, 13.2018, 14.4769



22.6227, 24.0523, 26.2609



12.0561, 13.1664, 13.2154



5.5286, 5.8729, 6.4108



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.



12.1787, 13.2018, 14.4769



21.5166, 23.4912, 25.7979



12.0418, 12.8479, 14.6779



2.9351, 3.2031, 3.5174



8.1951, 13.0417, 13.0547



42.4655, 67.9088, 66.6327

Inverse Universe

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



12.0733, 12.3152, 13.2967



21.2853, 21.5451, 23.2073



12.2040, 12.6518, 13.1083



2.9039, 2.9406, 3.1679



7.1562, 3.6755, 0.9552



37.0942, 19.0777, 3.7737

Previews

White Background



This preview shows how the XYZ color 12.1783, 13.2012, 14.4766 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 12.1783, 13.2012, 14.4766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

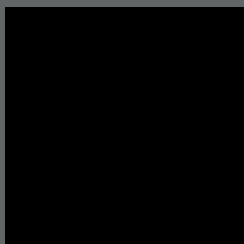
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

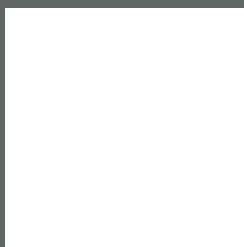
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1783, 13.2012, 14.4766

Background



This preview shows how black text looks on a background with the XYZ color 12.1783, 13.2012, 14.4766.



This preview shows how white text looks on a background with the XYZ color 12.1783, 13.2012,

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

12.1783, 13.2012, 14.4766

Protanopia

12.5962, 13.1305, 14.1825

Deuteranopia

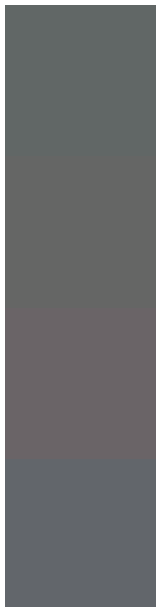
13.3714, 13.0941, 14.6546



Tritanopia

12.6028, 13.2252, 16.6403

Trichromacy



Original Color

12.1783, 13.2012, 14.4766

Protanomaly

12.4672, 13.2090, 14.2044

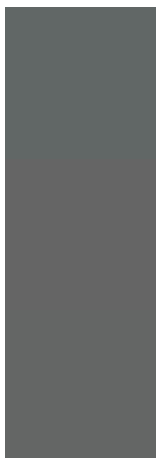
Deuteranomaly

12.9492, 13.1578, 14.6892

Tritanomaly

12.4422, 13.1609, 15.7945

Monochromacy



Original Color

12.1783, 13.2012, 14.4766

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3559, 13.1517, 14.1992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1783, 13.2012, 14.4766 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(97, 103, 102) looks like.

```
.text, #text, p{  
    color:rgb(97, 103, 102)  
}
```

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(97, 103, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 103, 102) }
```

Border

The CSS property to change the border of an element to XYZ 12.1783, 13.2012, 14.4766 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(97, 103, 102) }
```


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

```
.border{ border-color:rgb(97, 103, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 103, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 103, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 103, 102);  
box-shadow:4px 4px 4px 4px rgb(97, 103,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1783, 13.2012, 14.4766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 103, 102) }
```

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

```
.background{ background-color: rgb(97, 103,  
102) }
```

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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