

Converting Colors

XYZ(18.4018, 15.8092, 12.2504)

Have a look what the booklet for
XYZ(18.4018, 15.8092, 12.2504)
contains.

XYZ(18.3321, 15.7111, 12.1916)	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(18.3321, 15.7111,
12.1916)**

Conversions

Conversions Part 1

Format	Color
Hex	93625C
RGB	147, 98, 92
RGB Percent	58%, 38%, 36%
CMY	0.4235, 0.6157, 0.6392
CMYK	0.00, 0.33, 0.37, 0.42
HSL	7°, 23%, 47%
HSV	7°, 37%, 58%
XYZ	18.3321, 15.7111, 12.1916
YIQ	111.9670, 31.1300, 8.5220

Conversions

Conversions Part 2

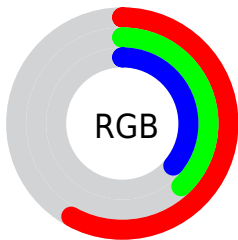
Format	Color
R_{YB}	147, 99, 92
Decimal	9658972
CIE _{Lab}	46.59, 19.09, 11.52
CIE _{LCh}	47, 22.297, 31.116
Yxy	15.7111, 0.3965, 0.3398
Android (android.graphics.Color)	4287849052 (0xFF93625C)
YUV	111.9670, -9.8437, 30.7239
Hunter-Lab	39.6372, 13.1906, 9.5097

Details

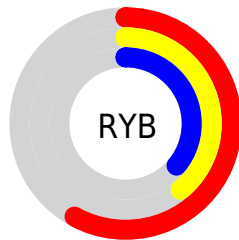
The XYZ color **18.3321, 15.7111, 12.1916** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.2047, 23.4310, 31.1143**, and the grayscale version is **15.4133, 16.2160, 17.6593**.

A 20% lighter version of the original color is **39.9871, 36.0044, 30.4332**, and **6.2931, 4.9446, 3.2075** is the 20% darker color. If you saturate the color by 10%, you get **16.6241, 13.2257, 8.7537**, and if you desaturate by 10%, it is **20.3661, 18.6489, 16.3538**.

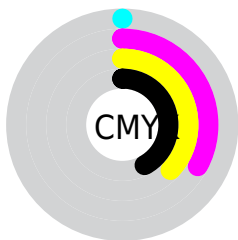
Distribution



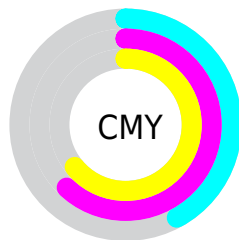
- Red (58%)
- Green (38%)
- Blue (36%)



- Red (58%)
- Yellow (39%)
- Blue (36%)



- Cyan (0%)
- Magenta (33%)
- Yellow (37%)
- Black (42%)



- Cyan (42%)
- Magenta (62%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3321, 15.7111, 12.1916 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 18.3321, 15.7111, 12.1916 by changing the saturation by 10% instead.

■ 18.3321, 15.7111,
12.1916

■ 18.3321, 15.7111,
12.1916

235.7459,
227.6309, 216.6924

■ 11.2898, 9.3200,
6.7502

■ 40.1281, 36.0959,
30.5132

■ 6.3308, 4.9505,
3.2303

■ 55.6125, 50.8584,
44.2304

■ 3.0898, 2.2182,
1.2134

■ 74.6416, 69.1801,
61.5434

■ 1.2015, 0.7299,
0.0000

■ 97.5808, 91.4454,
82.8706

■ 0.1075, 0.0000,
0.0000

124.7955,
118.0388, 108.6305

■ 0.0000, 0.0000,
0.0000

156.6510,

149.3445, 139.2418

193.5127,
185.7471, 175.1229

■ 18.3321, 15.7111,
12.1916

■ 18.3321, 15.7111,
12.1916

■ 16.6241, 13.2257,
8.7537

■ 20.3661, 18.6489,
16.3538

■ 15.2240, 11.1680,
5.9976

■ 22.7406, 22.0576,
21.2774

■ 14.1136, 9.5146,
3.8782

■ 25.4708, 25.9576,
26.9981

■ 13.2723, 8.2385,
2.3443

■ 28.5705, 30.3672,
33.5492

■ 12.6768, 7.3100,
1.3368

■ 32.0528, 35.3038,
40.9619

■ 12.2937, 6.6918,
0.7528

■ 35.9302, 40.7842,
49.2659

■ 12.2186, 6.5750,
0.6251

■ 40.2146, 46.8242,
58.4896

■ 44.9173, 53.4391,
68.6600

■ 50.0493, 60.6435,
79.8029

Harmonies

Analogous

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



18.9488, 15.7111, 16.9011



18.3321, 15.7111, 12.1916



16.7936, 15.7111, 9.4009

Triad

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



18.3321, 15.7111, 12.1916



11.9201, 15.7111, 12.4791



15.0051, 15.7111, 30.0484

Complementary

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



18.3321, 15.7111, 12.1916



19.2047, 23.4310, 31.1143

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.



13.2150, 15.7111, 28.1715



18.3321, 15.7111, 12.1916



11.5288, 15.7111, 17.3140

Square

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



18.3321, 15.7111, 12.1916



13.1003, 15.7111, 9.5401



11.9823, 15.7111, 23.1919



16.9290, 15.7111, 27.8846

Rectangle

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



18.3321, 15.7111, 12.1916



15.5120, 15.7111, 8.6238



11.9823, 15.7111, 23.1919



14.3684, 15.7111, 29.8665

Sweetspot

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



18.3325, 15.7119, 12.1919



43.6741, 43.7182, 44.2723



20.7049, 15.7955, 27.3525



9.8334, 9.7850, 9.8203



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.3325, 15.7119, 12.1919



30.1913, 24.2986, 16.5140



21.2982, 21.6432, 13.1805



5.8488, 5.9113, 6.0732



10.6029, 5.7202, 0.5453



0.1398, 0.0900, 0.0100

Inverse Universe

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



19.2047, 23.4310, 31.1143



31.9779, 40.1846, 55.5056



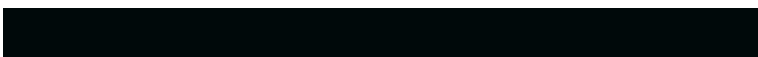
15.6976, 16.4167, 29.9453



5.9106, 6.4552, 7.4042



11.6080, 15.9107, 26.3903



0.1545, 0.2196, 0.3271

Previews

White Background



This preview shows how the XYZ color 18.3321, 15.7111, 12.1916 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 18.3321, 15.7111, 12.1916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

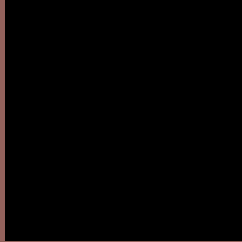
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3321, 15.7111, 12.1916

Background



This preview shows how black text looks on a background with the XYZ color 18.3321, 15.7111, 12.1916.

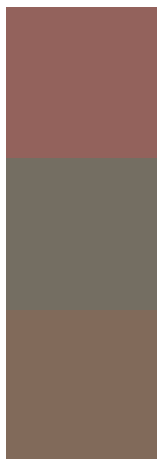


This preview shows how white text looks on a background with the XYZ color 18.3321, 15.7111,

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

18.3321, 15.7111, 12.1916

Protanopia

14.9830, 15.7467, 13.8050

Deuteranopia

16.0528, 15.7134, 11.8598



Tritanopia

18.8943, 15.6611, 15.1238

Trichromacy



Original Color

18.3321, 15.7111, 12.1916

Protanomaly

16.0178, 15.6646, 13.2457

Deuteranomaly

16.8919, 15.6901, 12.0357

Tritanomaly

18.7877, 15.7654, 14.1094

Monochromacy



Original Color

18.3321, 15.7111, 12.1916

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.2649, 15.8953, 15.5754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3321, 15.7111, 12.1916 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(147, 98, 92)` looks like.

```
.text, #text, p{  
    color:rgb(147, 98, 92)  
}
```

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(147, 98, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 98, 92) }
```

Border

The CSS property to change the border of an element to XYZ 18.3321, 15.7111, 12.1916 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(147, 98, 92) }
```


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

```
.border{ border-color:rgb(147, 98, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 98, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 98, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 98, 92);  
box-shadow:4px 4px 4px 4px rgb(147, 98,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3321, 15.7111, 12.1916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 98, 92) }
```

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

```
.background{ background-color: rgb(147, 98,  
92) }
```

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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