

Converting Colors

XYZ(15.8423, 18.4187, 12.5985)

Have a look what the booklet for
XYZ(15.8423, 18.4187, 12.5985)
contains.

XYZ(15.9107, 18.4987, 12.6295)	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(15.9107, 18.4987,
12.6295)**

Conversions

Conversions Part 1

Format	Color
Hex	727B5B
RGB	114, 123, 91
RGB Percent	45%, 48%, 36%
CMY	0.5529, 0.5176, 0.6431
CMYK	0.07, 0.00, 0.26, 0.52
HSL	77°, 15%, 42%
HSV	77°, 26%, 48%
XYZ	15.9107, 18.4987, 12.6295
YIQ	116.6610, 4.9080, -11.8600

Conversions

Conversions Part 2

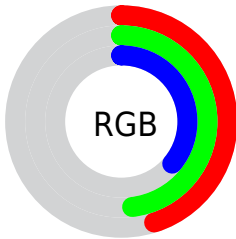
Format	Color
R_{YB}	91, 123, 100
Decimal	7502683
CIE Lab	50.10, -9.33, 16.42
CIE LCh	50, 18.887, 119.610
Yxy	18.4987, 0.3382, 0.3933
Android (android.graphics.Color)	4285692763 (0xFF727B5B)
YUV	116.6610, -12.6509, -2.3337
Hunter-Lab	43.0101, -9.2353, 12.6972

Details

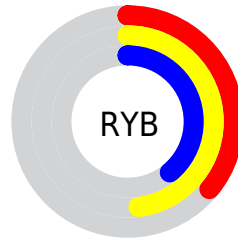
The XYZ color **15.9107, 18.4987, 12.6295** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.5725, 11.6220, 20.3206**, and the grayscale version is **16.8409, 17.7179, 19.2948**.

A 20% lighter version of the original color is **35.8636, 40.6900, 31.1631**, and **5.1692, 6.2453, 3.4156** is the 20% darker color. If you saturate the color by 10%, you get **14.9815, 18.0766, 10.0397**, and if you desaturate by 10%, it is **16.9449, 18.9660, 15.6791**.

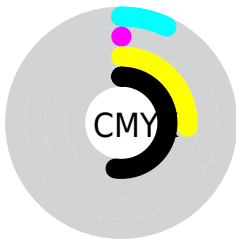
Distribution



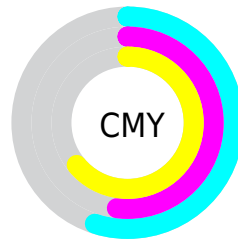
- Red (45%)
- Green (48%)
- Blue (36%)



- Red (36%)
- Yellow (48%)
- Blue (39%)



- Cyan (7%)
- Magenta (0%)
- Yellow (26%)
- Black (52%)



- Cyan (55%)
- Magenta (52%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9107, 18.4987, 12.6295 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 15.9107, 18.4987, 12.6295 by changing the saturation by 10% instead.

■ 15.9107, 18.4987,
12.6295

■ 15.9107, 18.4987,
12.6295

222.0950,
243.6671, 219.6531

■ 9.5514, 11.3086,
7.0462

■ 36.0018, 40.8853,
31.3179

■ 5.1625, 6.2748,
3.4121

■ 50.4644, 56.8506,
45.2601

■ 2.3787, 3.0129,
1.3087

■ 68.3587, 76.5097,
62.8257

■ 0.8345, 1.1385,
0.0689

■ 90.0502, 100.2471,
84.4332

■ 0.0000, 0.0106,
0.0000

115.9042,
128.4472, 110.5011

■ 0.0000, 0.0000,
0.0000

146.2861,

161.4943, 141.4481

181.5613,
199.7728, 177.6926

■ 15.9107, 18.4987,
12.6295

■ 15.9107, 18.4987,
12.6295

■ 14.9815, 18.0766,
10.0397

■ 16.9449, 18.9660,
15.6791

■ 14.1515, 17.6955,
7.8861

■ 18.0867, 19.4777,
19.2081

■ 13.4163, 17.3543,
6.1449

■ 19.3406, 20.0363,
23.2363

■ 12.7707, 17.0508,
4.7898

■ 20.7103, 20.6431,
27.7822

■ 12.2090, 16.7828,
3.7909

■ 22.1991, 21.2998,
32.8633

■ 11.7243, 16.5474,
3.1145

■ 23.8106, 22.0075,
38.4963

■ 11.3050, 16.3400,
2.6988

■ 25.5478, 22.7676,
44.6971

■ 11.1457, 16.2610,
2.5512

■ 27.4138, 23.5813,
51.4809

■ 29.4116, 24.4499,
58.8627

Harmonies

Analogous

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



17.6063, 18.4987, 11.6956



15.9107, 18.4987, 12.6295



14.7353, 18.4987, 15.4886

Triad

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



15.9107, 18.4987, 12.6295



15.8721, 18.4987, 30.0743



21.3161, 18.4987, 20.2102

Complementary

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



15.9107, 18.4987, 12.6295



12.5725, 11.6220, 20.3206

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.



20.7746, 18.4987, 25.6448



15.9107, 18.4987, 12.6295



17.5587, 18.4987, 31.9076

Square

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



15.9107, 18.4987, 12.6295



14.7142, 18.4987, 25.5063



19.3674, 18.4987, 30.1635



20.8012, 18.4987, 15.5880

Rectangle

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



15.9107, 18.4987, 12.6295



14.3624, 18.4987, 18.3893



19.3674, 18.4987, 30.1635



21.2511, 18.4987, 22.0026

Sweetspot

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



15.9112, 18.4995, 12.6299



31.9244, 34.6709, 32.9428



14.5699, 13.9919, 11.8305



7.4543, 8.1367, 7.5577



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



15.9112, 18.4995, 12.6299



27.5127, 32.6817, 19.8533



14.0594, 17.5449, 12.5432



4.2031, 4.5800, 4.2870



11.5240, 16.8181, 2.6388



54.1083, 79.7793, 12.5471

Inverse Universe

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



12.5725, 11.6220, 20.3206



20.5070, 18.2461, 35.9976



14.4575, 12.5938, 20.4089



3.8938, 3.9431, 4.9990



4.3968, 1.8394, 19.5086



20.2423, 8.3973, 93.0237

Previews

White Background



This preview shows how the XYZ color 15.9107, 18.4987, 12.6295 looks on a white 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

Black Background



This preview shows how the XYZ color 15.9107, 18.4987, 12.6295 looks on a black 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

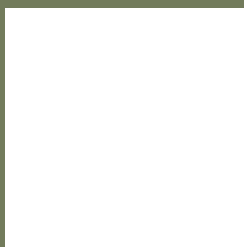
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9107, 18.4987, 12.6295

Background



This preview shows how black text looks on a background with the XYZ color 15.9107, 18.4987, 12.6295.



This preview shows how white text looks on a background with the XYZ color 15.9107, 18.4987,

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

15.9107, 18.4987, 12.6295

Protanopia

17.3021, 18.5041, 12.1109

Deuteranopia

18.6406, 18.3139, 12.9084



Tritanopia

17.9825, 18.4373, 23.0331

Trichromacy



Original Color

15.9107, 18.4987, 12.6295

Protanomaly

16.7303, 18.3821, 12.3392

Deuteranomaly

17.4990, 18.2411, 12.7238

Tritanomaly

17.1471, 18.4527, 18.8776

Monochromacy



Original Color

15.9107, 18.4987, 12.6295

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.5061, 17.9894, 16.7897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9107, 18.4987, 12.6295 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(114, 123, 91)` looks like.

```
.text, #text, p{  
    color:rgb(114, 123, 91)  
}
```

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(114, 123, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 123, 91) }
```

Border

The CSS property to change the border of an element to XYZ 15.9107, 18.4987, 12.6295 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(114, 123, 91) }
```


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

```
.border{ border-color:rgb(114, 123, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 123, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 123, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 123, 91);  
box-shadow:4px 4px 4px 4px rgb(114, 123,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9107, 18.4987, 12.6295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 123, 91) }
```

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

```
.background{ background-color: rgb(114,  
123, 91) }
```

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