

Converting Colors

XYZ(18.5207, 19.6609, 12.7163)

Have a look what the booklet for
XYZ(18.5207, 19.6609, 12.7163)
contains.

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Color

**XYZ(18.5207, 19.6609,
12.7163)**

Conversions

Conversions Part 1

Format	Color
Hex	857A5B
RGB	133, 122, 91
RGB Percent	52%, 48%, 36%
CMY	0.4784, 0.5216, 0.6431
CMYK	0.00, 0.08, 0.32, 0.48
HSL	44°, 19%, 44%
HSV	44°, 32%, 52%
XYZ	18.5207, 19.6609, 12.7163
YIQ	121.7550, 16.5070, -7.3090

Conversions

Conversions Part 2

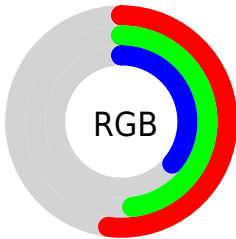
Format	Color
RYB	106, 133, 91
Decimal	8747611
CIELab	51.45, -0.87, 18.54
CIElCh	51, 18.556, 92.674
Yxy	19.6609, 0.3639, 0.3863
Android (android.graphics.Color)	4286937691 (0xFF857A5B)
YUV	121.7550, -15.1622, 9.8619
Hunter-Lab	44.3406, -3.0381, 14.0348

Details

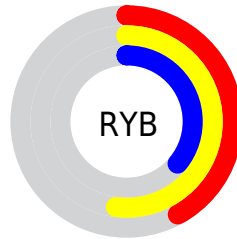
The XYZ color **18.5207, 19.6609, 12.7163** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.2993, 13.4200, 24.0797**, and the grayscale version is **18.4632, 19.4248, 21.1536**.

A 20% lighter version of the original color is **40.4373, 42.7600, 31.3215**, and **6.4897, 6.9260, 3.4774** is the 20% darker color. If you saturate the color by 10%, you get **17.5773, 18.6122, 9.8178**, and if you desaturate by 10%, it is **19.5822, 20.7827, 16.1564**.

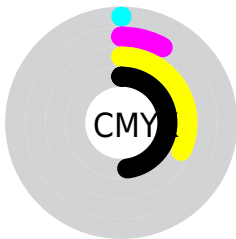
Distribution



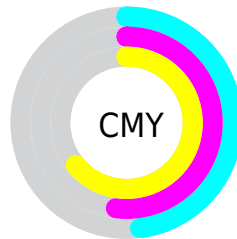
- Red (52%)
- Green (48%)
- Blue (36%)



- Red (42%)
- Yellow (52%)
- Blue (36%)



- Cyan (0%)
- Magenta (8%)
- Yellow (32%)
- Black (48%)



- Cyan (48%)
- Magenta (52%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5207, 19.6609, 12.7163 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 18.5207, 19.6609, 12.7163 by changing the saturation by 10% instead.

■ 18.5207, 19.6609,
12.7163

■ 18.5207, 19.6609,
12.7163

236.7791,
250.0734, 220.2350

■ 11.4264, 12.1488,
7.1051

■ 40.4458, 42.8479,
31.4768

■ 6.4238, 6.8451,
3.4484

■ 56.0073, 59.2916,
45.4632

■ 3.1475, 3.3654,
1.3279

■ 75.1219, 79.4813,
63.0784

■ 1.2323, 1.3253,
0.0845

■ 98.1550, 103.8014,
84.7409

■ 0.1316, 0.1607,
0.0000

125.4719,
132.6362, 110.8692

■ 0.0000, 0.0000,
0.0000

157.4379,

166.3703, 141.8820

194.4186,
205.3879, 178.1978

■ 18.5207, 19.6609,
12.7163

■ 18.5207, 19.6609,
12.7163

■ 17.5773, 18.6122,
9.8178

■ 19.5822, 20.7827,
16.1564

■ 16.7449, 17.6316,
7.4312

■ 20.7653, 21.9772,
20.1631

■ 16.0180, 16.7171,
5.5261

■ 22.0754, 23.2476,
24.7613

■ 15.3899, 15.8659,
4.0682

■ 23.5170, 24.5958,
29.9742

■ 14.8531, 15.0747,
3.0186

■ 25.0944, 26.0238,
35.8235

■ 14.3987, 14.3397,
2.3317

■ 26.8117, 27.5335,
42.3301

■ 14.0571, 13.7549,
1.9141

■ 28.6728, 29.1266,
49.5138

■ 30.6814, 30.8050,
57.3935

■ 32.8411, 32.5702,
65.9876

Harmonies

Analogous

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



20.3782, 19.6609, 13.5334



18.5207, 19.6609, 12.7163



16.8213, 19.6609, 13.8885

Triad

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



18.5207, 19.6609, 12.7163



15.8342, 19.6609, 27.4294



22.0494, 19.6609, 26.4643

Complementary

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



18.5207, 19.6609, 12.7163



13.2993, 13.4200, 24.0797

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.



20.6860, 19.6609, 31.2432



18.5207, 19.6609, 12.7163



17.0923, 19.6609, 31.8622

Square

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



18.5207, 19.6609, 12.7163



15.3361, 19.6609, 21.8889



18.8545, 19.6609, 33.3612



22.4938, 19.6609, 20.9330

Rectangle

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



18.5207, 19.6609, 12.7163



15.9839, 19.6609, 15.7758



18.8545, 19.6609, 33.3612



21.6791, 19.6609, 28.2412

Sweetspot

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



18.5212, 19.6618, 12.7167



37.7224, 39.8843, 37.9651



15.8223, 13.4322, 14.3814



8.4339, 8.9221, 8.3290



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.5212, 19.6618, 12.7167



31.9160, 33.8286, 18.8979



18.4730, 21.7562, 13.1235



4.9393, 5.2222, 4.9770



13.3963, 13.1153, 1.8254



0.0524, 0.0573, 0.0083

Inverse Universe

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



13.2993, 13.4200, 24.0797



21.0096, 20.7967, 42.6452



13.3194, 11.9310, 23.7913



4.5263, 4.7283, 5.8748



4.6061, 2.7600, 21.4267



0.0212, 0.0201, 0.0760

Previews

White Background



This preview shows how the XYZ color 18.5207, 19.6609, 12.7163 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 18.5207, 19.6609, 12.7163 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 18.5207, 19.6609, 12.7163

Background



This preview shows how black text looks on a background with the XYZ color 18.5207, 19.6609, 12.7163.



This preview shows how white text looks on a background with the XYZ color 18.5207, 19.6609,

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

18.5207, 19.6609, 12.7163

Protanopia

18.3314, 19.7465, 12.7428

Deuteranopia

20.0873, 19.7493, 12.8785



Tritanopia

20.4437, 19.5473, 22.4342

Trichromacy



Original Color

18.5207, 19.6609, 12.7163

Protanomaly

18.4870, 19.8268, 12.7501

Deuteranomaly

19.5131, 19.6291, 12.8856

Tritanomaly

19.7308, 19.6201, 18.3699

Monochromacy



Original Color

18.5207, 19.6609, 12.7163

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4330, 19.5024, 17.8317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5207, 19.6609, 12.7163 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(133, 122, 91)` looks like.

```
.text, #text, p{  
    color:rgb(133, 122, 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(133, 122, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 122, 91) }
```

Border

The CSS property to change the border of an element to XYZ 18.5207, 19.6609, 12.7163 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(133, 122, 91) }
```


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

```
.border{ border-color:rgb(133, 122, 91) }
```

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

Here you see how a box with a 4 pixel rgb(133, 122, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 122, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 122, 91);  
box-shadow:4px 4px 4px 4px rgb(133, 122,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5207, 19.6609, 12.7163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 122, 91) }
```

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

```
.background{ background-color: rgb(133,  
122, 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](#).

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