

Converting Colors

XYZ(18.7668, 18.9116, 11.7068)

Have a look what the booklet for
XYZ(18.7668, 18.9116, 11.7068)
contains.

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Color

**XYZ(18.7291, 18.8997,
11.6777)**

Conversions

Conversions Part 1

Format	Color
Hex	8B7557
RGB	139, 117, 87
RGB Percent	55%, 46%, 34%
CMY	0.4549, 0.5412, 0.6588
CMYK	0.00, 0.16, 0.37, 0.45
HSL	35°, 23%, 44%
HSV	35°, 37%, 55%
XYZ	18.7291, 18.8997, 11.6777
YIQ	120.1580, 22.7420, -4.6660

Conversions

Conversions Part 2

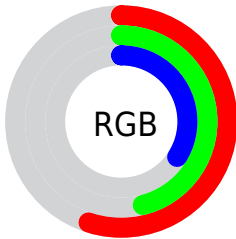
Format	Color
R_{YB}	125, 139, 87
Decimal	9139543
CIE _{Lab}	50.57, 4.02, 19.75
CIE _{LCh}	51, 20.157, 78.498
Yxy	18.8997, 0.3799, 0.3833
Android (android.graphics.Color)	4287329623 (0xFF8B7557)
YUV	120.1580, -16.3469, 16.5244
Hunter-Lab	43.4738, 0.8211, 14.5055

Details

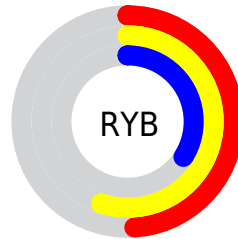
The XYZ color **18.7291, 18.8997, 11.6777** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **14.0592, 14.8272, 26.5471**, and the grayscale version is **17.9492, 18.8839, 20.5646**.

A 20% lighter version of the original color is **40.6956, 41.5195, 29.5361**, and **6.5529, 6.4910, 3.0053** is the 20% darker color. If you saturate the color by 10%, you get **17.5514, 17.3673, 8.7481**, and if you desaturate by 10%, it is **20.0602, 20.5637, 15.1985**.

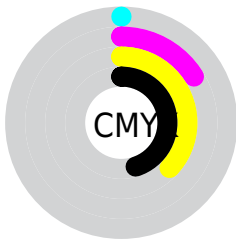
Distribution



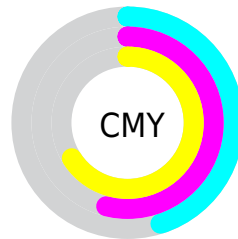
- Red (55%)
- Green (46%)
- Blue (34%)



- Red (49%)
- Yellow (55%)
- Blue (34%)



- Cyan (0%)
- Magenta (16%)
- Yellow (37%)
- Black (45%)



- Cyan (45%)
- Magenta (54%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7291, 18.8997, 11.6777 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 18.7291, 18.8997, 11.6777 by changing the saturation by 10% instead.

■ 18.7291, 18.8997,
11.6777

■ 18.7291, 18.8997,
11.6777

237.9161,
245.8945, 213.1614

■ 11.5775, 11.5978,
6.4048

■ 40.7963, 41.5645,
29.5623

■ 6.5269, 6.4705,
3.0200

■ 56.4426, 57.6963,
43.0110

■ 3.2117, 3.1332,
1.1048

■ 75.6512, 77.5402,
60.0221

■ 1.2667, 1.2017,
0.0000

■ 98.7874, 101.4805,
81.0140

■ 0.1581, 0.0631,
0.0000

■ 126.2167,
129.9017, 106.4054

■ 0.0000, 0.0000,
0.0000

158.3043,

163.1882, 136.6147

195.4156,
201.7243, 172.0605

■ 18.7291, 18.8997,
11.6777

■ 18.7291, 18.8997,
11.6777

■ 17.5514, 17.3673,
8.7481

■ 20.0602, 20.5637,
15.1985

■ 16.5186, 15.9597,
6.3750

■ 21.5497, 22.3605,
19.3400

■ 15.6234, 14.6736,
4.5220

■ 23.2044, 24.2947,
24.1312

■ 14.8571, 13.5040,
3.1477

■ 25.0300, 26.3696,
29.5991

■ 14.2100, 12.4456,
2.2044

■ 27.0320, 28.5887,
35.7689

■ 13.6638, 11.4899,
1.6010

■ 29.2155, 30.9551,
42.6647

■ 13.5309, 11.2558,
1.4594

■ 31.5856, 33.4718,
50.3092

■ 34.1470, 36.1420,
58.7243

■ 36.9043, 38.9683,
67.9310

Harmonies

Analogous

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



20.5908, 18.8997, 13.4797



18.7291, 18.8997, 11.6777



16.7891, 18.8997, 11.9140

Triad

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



18.7291, 18.8997, 11.6777



14.6073, 18.8997, 24.2137



20.9507, 18.8997, 28.6315

Complementary

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



18.7291, 18.8997, 11.6777



14.0592, 14.8272, 26.5471

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.



19.1917, 18.8997, 32.6680



18.7291, 18.8997, 11.6777



15.5700, 18.8997, 29.8134

Square

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



18.7291, 18.8997, 11.6777



14.5034, 18.8997, 18.4915



17.2192, 18.8997, 33.1362



21.9346, 18.8997, 22.8171

Rectangle

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



18.7291, 18.8997, 11.6777



15.7086, 18.8997, 13.2061



17.2192, 18.8997, 33.1362



20.4247, 18.8997, 30.2836

Sweetspot

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



18.7296, 18.9006, 11.6781



40.3845, 42.1514, 39.7880



16.8450, 13.4212, 16.3219



9.2248, 9.6185, 8.9338



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.7296, 18.9006, 11.6781



31.7170, 31.4806, 16.3543



21.0308, 24.3487, 12.6084



5.2567, 5.4963, 5.3362



12.2294, 10.1932, 1.3229



0.0958, 0.0968, 0.0136

Inverse Universe

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



14.0592, 14.8272, 26.5471



22.0854, 23.0853, 47.0348



12.3306, 10.8779, 25.8759



4.9372, 5.2174, 6.3527



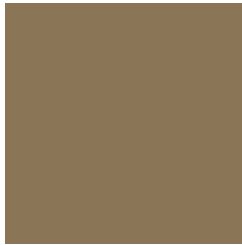
5.6247, 4.5197, 22.6216



0.0514, 0.0580, 0.1549

Previews

White Background



This preview shows how the XYZ color 18.7291, 18.8997, 11.6777 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 18.7291, 18.8997, 11.6777 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 18.7291, 18.8997, 11.6777

Background



This preview shows how black text looks on a background with the XYZ color 18.7291, 18.8997, 11.6777.



This preview shows how white text looks on a background with the XYZ color 18.7291, 18.8997,

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

18.7291, 18.8997, 11.6777

Protanopia

17.5312, 18.8046, 11.9382

Deuteranopia

19.1787, 18.7892, 11.6327



Tritanopia

20.5731, 18.8085, 20.6352

Trichromacy



Original Color

18.7291, 18.8997, 11.6777

Protanomaly

18.0311, 18.8848, 11.9273

Deuteranomaly

19.1210, 18.9297, 11.6628

Tritanomaly

19.9330, 18.8895, 17.0635

Monochromacy



Original Color

18.7291, 18.8997, 11.6777

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.0560, 18.7884, 16.8622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7291, 18.8997, 11.6777 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(139, 117, 87)` looks like.

```
.text, #text, p{  
    color:rgb(139, 117, 87)  
}
```

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(139, 117, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 117, 87) }
```

Border

The CSS property to change the border of an element to XYZ 18.7291, 18.8997, 11.6777 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(139, 117, 87) }
```


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

```
.border{ border-color:rgb(139, 117, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 117, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 117, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 117, 87);  
box-shadow:4px 4px 4px 4px rgb(139, 117,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7291, 18.8997, 11.6777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 117, 87) }
```

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

```
.background{ background-color: rgb(139,  
117, 87) }
```

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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