

Converting Colors

XYZ(18.5991, 19.9804, 9.1106)

Have a look what the booklet for
XYZ(18.5991, 19.9804, 9.1106)
contains.

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Color

**XYZ(18.6021, 19.9653,
9.1766)**

Conversions

Conversions Part 1

Format	Color
Hex	897B49
RGB	137, 123, 73
RGB Percent	54%, 48%, 29%
CMY	0.4627, 0.5176, 0.7137
CMYK	0.00, 0.10, 0.47, 0.46
HSL	47°, 30%, 41%
HSV	47°, 47%, 54%
XYZ	18.6021, 19.9653, 9.1766
YIQ	121.4860, 24.3940, -12.5820

Conversions

Conversions Part 2

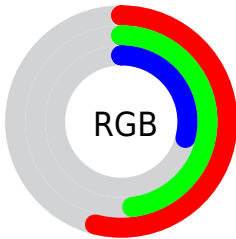
Format	Color
RYB	91, 137, 73
Decimal	9009993
CIELab	51.80, -1.93, 29.21
CIELCh	52, 29.270, 93.789
Yxy	19.9653, 0.3896, 0.4182
Android (android.graphics.Color)	4287200073 (0xFF897B49)
YUV	121.4860, -23.9036, 13.6058
Hunter-Lab	44.6825, -3.8819, 19.1012

Details

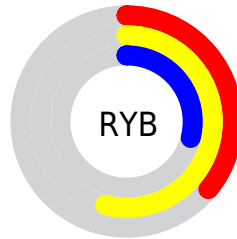
The XYZ color **18.6021, 19.9653, 9.1766** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.6712, 10.0388, 25.0422**, and the grayscale version is **18.4014, 19.3597, 21.0827**.

A 20% lighter version of the original color is **40.6434, 43.2965, 24.9538**, and **6.4602, 7.0426, 2.0558** is the 20% darker color. If you saturate the color by 10%, you get **17.8312, 19.0720, 6.9203**, and if you desaturate by 10%, it is **19.4855, 20.9233, 11.9646**.

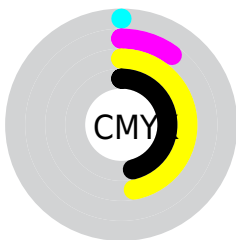
Distribution



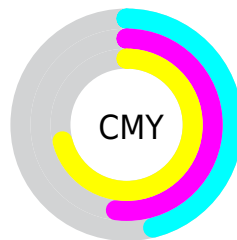
- Red (54%)
- Green (48%)
- Blue (29%)



- Red (36%)
- Yellow (54%)
- Blue (29%)



- Cyan (0%)
- Magenta (10%)
- Yellow (47%)
- Black (46%)



- Cyan (46%)
- Magenta (52%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6021, 19.9653, 9.1766 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 18.6021, 19.9653, 9.1766 by changing the saturation by 10% instead.

■ 18.6021, 19.9653,
9.1766

■ 18.6021, 19.9653,
9.1766

237.2237,
251.7272, 194.9562

■ 11.4854, 12.3698,
4.7582

■ 40.5827, 43.3590,
24.8179

■ 6.4640, 6.9961,
2.0498

■ 56.1774, 59.9260,
36.8779

■ 3.1726, 3.4596,
0.5857

■ 75.3288, 80.2523,
52.3222

■ 1.2457, 1.3761,
0.0000

■ 98.4022, 104.7223,
71.5692

■ 0.1420, 0.1990,
0.0000

■ 125.7631,
133.7204, 95.0376

■ 0.0000, 0.0000,
0.0000

157.7767,

167.6310, 123.1459

194.8085,
206.8385, 156.3126

■ 18.6021, 19.9653,
9.1766

■ 18.6021, 19.9653,
9.1766

■ 17.8312, 19.0720,
6.9203

■ 19.4855, 20.9233,
11.9646

■ 17.1644, 18.2377,
5.1593

■ 20.4860, 21.9457,
15.3150

■ 16.5949, 17.4601,
3.8550

■ 21.6098, 23.0360,
19.2574

■ 16.1139, 16.7357,
2.9620

■ 22.8621, 24.1964,
23.8191

■ 15.7061, 16.0581,
2.4010

■ 24.2479, 25.4290,
29.0257

■ 15.5782, 15.8417,
2.2367

■ 25.7719, 26.7358,
34.9014

■ 27.4385, 28.1188,
41.4690

■ 29.2519, 29.5798,
48.7504

■ 31.2162, 31.1206,
56.7663

Harmonies

Analogous

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



21.6079, 19.9653, 10.1328



18.6021, 19.9653, 9.1766



15.9787, 19.9653, 10.7955

Triad

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



18.6021, 19.9653, 9.1766



14.6211, 19.9653, 32.1439



24.5655, 19.9653, 29.7785

Complementary

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



18.6021, 19.9653, 9.1766



10.6712, 10.0388, 25.0422

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.



22.3274, 19.9653, 38.3307



18.6021, 19.9653, 9.1766



16.5678, 19.9653, 39.9274

Square

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



18.6021, 19.9653, 9.1766



13.8366, 19.9653, 22.8359



19.3557, 19.9653, 42.4433



25.2535, 19.9653, 20.6774

Rectangle

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



18.6021, 19.9653, 9.1766



14.7376, 19.9653, 13.4484



19.3557, 19.9653, 42.4433



23.9588, 19.9653, 32.8833

Sweetspot

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



18.6026, 19.9662, 9.1770



39.2173, 41.7415, 36.3483



14.4579, 10.7872, 10.5384



8.7048, 9.2764, 7.8240



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.6026, 19.9662, 9.1770



31.8656, 34.0739, 12.2071



17.8849, 22.3607, 9.6770



5.3398, 5.6625, 5.3639



14.5200, 14.7744, 2.0865



0.1071, 0.1194, 0.0174

Inverse Universe

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



10.6712, 10.0388, 25.0422



15.8683, 14.0686, 44.2623



11.1211, 8.7485, 24.7694



4.8576, 5.0582, 6.3261



4.6454, 2.5611, 22.2952



0.0400, 0.0354, 0.1512

Previews

White Background



This preview shows how the XYZ color 18.6021, 19.9653, 9.1766 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 18.6021, 19.9653, 9.1766 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 18.6021, 19.9653, 9.1766

Background



This preview shows how black text looks on a background with the XYZ color 18.6021, 19.9653, 9.1766.



This preview shows how white text looks on a background with the XYZ color 18.6021, 19.9653,

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

18.6021, 19.9653, 9.1766

Protanopia

18.4019, 20.0472, 9.2029

Deuteranopia

20.2921, 19.9353, 9.2570



Tritanopia

21.2825, 19.9797, 22.4734

Trichromacy



Original Color

18.6021, 19.9653, 9.1766

Protanomaly

18.5636, 20.1306, 9.2105

Deuteranomaly

19.6296, 19.9471, 9.2942

Tritanomaly

20.0659, 19.8306, 16.6800

Monochromacy



Original Color

18.6021, 19.9653, 9.1766

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.2106, 19.4306, 15.8874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6021, 19.9653, 9.1766 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(137, 123, 73)` looks like.

```
.text, #text, p{  
    color:rgb(137, 123, 73)  
}
```

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(137, 123, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 123, 73) }
```

Border

The CSS property to change the border of an element to XYZ 18.6021, 19.9653, 9.1766 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(137, 123, 73) }
```


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

```
.border{ border-color:rgb(137, 123, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 123, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 123, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 123, 73);  
box-shadow:4px 4px 4px 4px rgb(137, 123,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6021, 19.9653, 9.1766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 123, 73) }
```

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

```
.background{ background-color: rgb(137,  
123, 73) }
```

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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