

Converting Colors

XYZ(18.6626, 20.5059, 12.7483)

Have a look what the booklet for
XYZ(18.6626, 20.5059, 12.7483)
contains.

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Color

**XYZ(18.6664, 20.4852,
12.6431)**

Conversions

Conversions Part 1

Format	Color
Hex	837E5A
RGB	131, 126, 90
RGB Percent	51%, 49%, 35%
CMY	0.4863, 0.5059, 0.6471
CMYK	0.00, 0.04, 0.31, 0.49
HSL	53°, 19%, 43%
HSV	53°, 31%, 51%
XYZ	18.6664, 20.4852, 12.6431
YIQ	123.3910, 14.5360, -10.1360

Conversions

Conversions Part 2

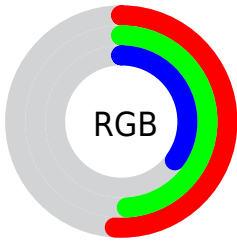
Format	Color
RYB	96, 131, 90
Decimal	8617562
CIELab	52.38, -4.12, 20.33
CIELCh	52, 20.739, 101.445
Yxy	20.4852, 0.3604, 0.3955
Android (android.graphics.Color)	4286807642 (0xFF837E5A)
YUV	123.3910, -16.4618, 6.6731
Hunter-Lab	45.2606, -5.5889, 15.1203

Details

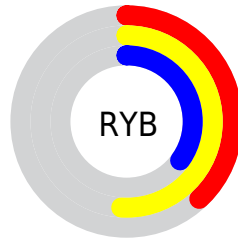
The XYZ color **18.6664, 20.4852, 12.6431** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.4053, 11.9965, 23.1345**, and the grayscale version is **19.0058, 19.9956, 21.7752**.

A 20% lighter version of the original color is **40.8613, 44.4479, 31.2366**, and **6.5018, 7.2389, 3.4374** is the 20% darker color. If you saturate the color by 10%, you get **17.9549, 19.8773, 9.8933**, and if you desaturate by 10%, it is **19.4805, 21.1408, 15.9125**.

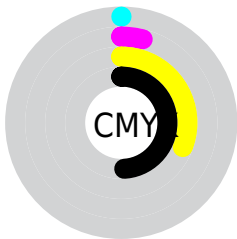
Distribution



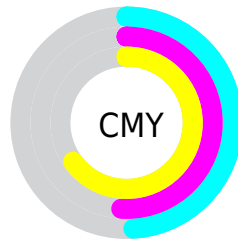
- Red (51%)
- Green (49%)
- Blue (35%)



- Red (38%)
- Yellow (51%)
- Blue (35%)



- Cyan (0%)
- Magenta (4%)
- Yellow (31%)
- Black (49%)



- Cyan (49%)
- Magenta (51%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6664, 20.4852, 12.6431 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 18.6664, 20.4852, 12.6431 by changing the saturation by 10% instead.

■ 18.6664, 20.4852,
12.6431

■ 18.6664, 20.4852,
12.6431

237.5745,
254.5298, 219.7444

■ 11.5320, 12.7482,
7.0554

■ 40.6909, 44.2292,
31.3428

■ 6.4958, 7.2554,
3.4178

■ 56.3117, 61.0050,
45.2919

■ 3.1923, 3.6223,
1.3117

■ 75.4921, 81.5625,
62.8653

■ 1.2563, 1.4646,
0.0714

■ 98.5974, 106.2861,
84.4814

■ 0.1501, 0.2636,
0.0000

■ 125.9929,
135.5603, 110.5588

■ 0.0000, 0.0000,
0.0000

158.0440,

169.7694, 141.5161

195.1161,
209.2977, 177.7718

■ 18.6664, 20.4852,
12.6431

■ 18.6664, 20.4852,
12.6431

■ 17.9549, 19.8773,
9.8933

■ 19.4805, 21.1408,
15.9125

■ 17.3393, 19.3122,
7.6346

■ 20.4004, 21.8433,
19.7254

■ 16.8145, 18.7885,
5.8379

■ 21.4311, 22.5954,
24.1059

■ 16.3741, 18.3038,
4.4702

■ 22.5770, 23.3988,
29.0760

■ 16.0111, 17.8552,
3.4943

■ 23.8419, 24.2551,
34.6567

■ 15.7173, 17.4393,
2.8667

■ 25.2297, 25.1659,
40.8680

■ 15.4948, 17.0947,
2.4830

■ 26.7439, 26.1327,
47.7289

■ 28.3882, 27.1568,
55.2577

■ 30.1657, 28.2397,
63.4719

Harmonies

Analogous

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



20.8079, 20.4852, 12.9036



18.6664, 20.4852, 12.6431



16.8750, 20.4852, 14.5941

Triad

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



18.6664, 20.4852, 12.6431



16.5494, 20.4852, 31.0380



23.6325, 20.4852, 26.2641

Complementary

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



18.6664, 20.4852, 12.6431



12.4053, 11.9965, 23.1345

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.



22.3196, 20.4852, 32.3425



18.6664, 20.4852, 12.6431



18.1918, 20.4852, 35.4278

Square

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



18.6664, 20.4852, 12.6431



15.7138, 20.4852, 24.7229



20.2975, 20.4852, 35.9446



23.7829, 20.4852, 20.0499

Rectangle

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



18.6664, 20.4852, 12.6431



16.0791, 20.4852, 17.1384



20.2975, 20.4852, 35.9446



23.3082, 20.4852, 28.4176

Sweetspot

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



18.6669, 20.4861, 12.6435



36.9017, 39.3906, 36.8775



15.1033, 12.9726, 12.6462



8.5388, 9.1319, 8.3640



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.



18.6669, 20.4861, 12.6435



32.4458, 35.8525, 18.8259



17.1599, 20.6816, 12.7607



4.9926, 5.3288, 4.9948



15.2536, 16.8297, 2.4445



0.0562, 0.0651, 0.0096

Inverse Universe

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



12.4053, 11.9965, 23.1345



19.2708, 17.9927, 40.9104



13.5827, 11.9566, 23.0647



4.4769, 4.6293, 5.8583



4.2157, 1.9792, 21.2965



0.0173, 0.0123, 0.0747

Previews

White Background



This preview shows how the XYZ color 18.6664, 20.4852, 12.6431 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 18.6664, 20.4852, 12.6431 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 18.6664, 20.4852, 12.6431

Background



This preview shows how black text looks on a background with the XYZ color 18.6664, 20.4852, 12.6431.



This preview shows how white text looks on a background with the XYZ color 18.6664, 20.4852,

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

18.6664, 20.4852, 12.6431

Protanopia

19.1708, 20.5563, 12.6302

Deuteranopia

20.8175, 20.4842, 12.7542



Tritanopia

21.0200, 20.5207, 23.9721

Trichromacy



Original Color

18.6664, 20.4852, 12.6431

Protanomaly

19.0106, 20.4737, 12.6227

Deuteranomaly

20.0032, 20.4252, 12.7857

Tritanomaly

20.0090, 20.4721, 19.1166

Monochromacy



Original Color

18.6664, 20.4852, 12.6431

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6811, 19.9986, 17.9144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6664, 20.4852, 12.6431 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(131, 126, 90)` looks like.

```
.text, #text, p{  
    color:rgb(131, 126, 90)  
}
```

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(131, 126, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 126, 90) }
```

Border

The CSS property to change the border of an element to XYZ 18.6664, 20.4852, 12.6431 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(131, 126, 90) }
```


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

```
.border{ border-color:rgb(131, 126, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 126, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 126, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 126, 90);  
box-shadow:4px 4px 4px 4px rgb(131, 126,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6664, 20.4852, 12.6431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 126, 90) }
```

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

```
.background{ background-color: rgb(131,  
126, 90) }
```

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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