

Converting Colors

XYZ(23.4791, 18.7430, 12.8822)

Have a look what the booklet for
XYZ(23.4791, 18.7430, 12.8822)
contains.

XYZ(23.4686, 18.7734, 12.9764)	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(23.4686, 18.7734,
12.9764)**

Conversions

Conversions Part 1

Format	Color
Hex	AB655E
RGB	171, 101, 94
RGB Percent	67%, 40%, 37%
CMY	0.3294, 0.6039, 0.6314
CMYK	0.00, 0.41, 0.45, 0.33
HSL	5°, 31%, 52%
HSV	5°, 45%, 67%
XYZ	23.4686, 18.7734, 12.9764
YIQ	121.1320, 43.9670, 12.6630

Conversions

Conversions Part 2

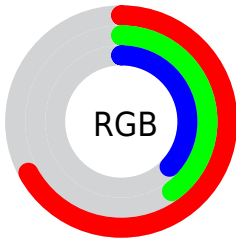
Format	Color
R_{YB}	171, 102, 94
Decimal	11232606
CIE _{Lab}	50.42, 27.38, 16.10
CIE _{LCh}	50, 31.763, 30.449
Yxy	18.7734, 0.4250, 0.3400
Android (android.graphics.Color)	4289422686 (0xFFAB655E)
YUV	121.1320, -13.3761, 43.7342
Hunter-Lab	43.3283, 20.8594, 12.5730

Details

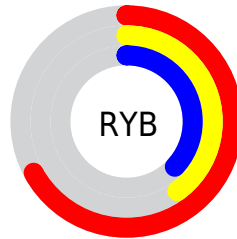
The XYZ color **23.4686, 18.7734, 12.9764** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.2416, 31.8694, 43.3490**, and the grayscale version is **18.2490, 19.1994, 20.9081**.

A 20% lighter version of the original color is **48.7384, 41.4541, 31.8182**, and **9.0091, 6.4726, 3.5708** is the 20% darker color. If you saturate the color by 10%, you get **21.4154, 15.7620, 8.9165**, and if you desaturate by 10%, it is **25.9782, 22.4256, 18.0275**.

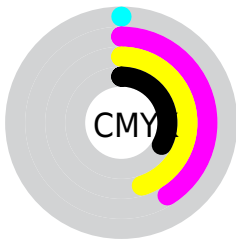
Distribution



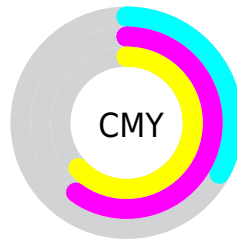
- Red (67%)
- Green (40%)
- Blue (37%)



- Red (67%)
- Yellow (40%)
- Blue (37%)



- Cyan (0%)
- Magenta (41%)
- Yellow (45%)
- Black (33%)





- Cyan (33%)
- Magenta (60%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4686, 18.7734, 12.9764 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 23.4686, 18.7734, 12.9764 by changing the saturation by 10% instead.


 23.4686, 18.7734,
12.9764


 23.4686, 18.7734,
12.9764


262.6134,
245.1949, 221.9689


 15.0625, 11.5067,
7.2818


 48.6226, 41.3508,
31.9519

 8.9499, 6.4087,
3.5578


 66.1013, 57.4303,
46.0699

 4.7653, 3.0952,
1.3860

 87.3348, 77.2162,
63.8328

 2.1436, 1.1816,
0.1308

 112.6886,
101.0928, 85.6590

 0.7127, 0.0466,
0.0000

142.5280,
129.4446, 111.9672

 0.0000, 0.0000,
0.0000

177.2184,

162.6560, 143.1759

217.1251,
201.1113, 179.7036

■ 23.4686, 18.7734,
12.9764

■ 23.4686, 18.7734,
12.9764

■ 21.4154, 15.7620,
8.9165

■ 25.9782, 22.4256,
18.0275

■ 19.7898, 13.3518,
5.7816

■ 28.9680, 26.7497,
24.1279

■ 18.5616, 11.5031,
3.4989


■ 32.4619, 31.7781,
31.3327


■ 17.6964, 10.1704,
1.9844


■ 36.4815, 37.5402,
39.6927


■ 17.1531, 9.3006,
1.1352


■ 41.0475, 44.0639,
49.2556

 16.9733, 9.0154,
0.8456

 46.1793, 51.3756,
60.0664

 51.8953, 59.5003,
72.1677

 58.2131, 68.4621,
85.6001

 65.1498, 78.2838,
100.4027

Harmonies

Analogous

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



24.4654, 18.7734, 20.3080



23.4686, 18.7734, 12.9764



20.9358, 18.7734, 8.9279

Triad

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



23.4686, 18.7734, 12.9764



13.1598, 18.7734, 13.1477



17.8901, 18.7734, 42.6022

Complementary

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



23.4686, 18.7734, 12.9764



25.2416, 31.8694, 43.3490

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.



15.0719, 18.7734, 39.0940



23.4686, 18.7734, 12.9764



12.5394, 18.7734, 20.5746

Square

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



23.4686, 18.7734, 12.9764



14.9999, 18.7734, 9.0049



13.1978, 18.7734, 30.3287



21.0256, 18.7734, 38.8890

Rectangle

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



23.4686, 18.7734, 12.9764



18.8472, 18.7734, 7.8377



13.1978, 18.7734, 30.3287



16.8762, 18.7734, 42.2195

Sweetspot

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



23.4691, 18.7743, 12.9768



58.6657, 57.6712, 57.2094



27.5509, 19.3649, 37.6844



12.7686, 12.4098, 12.1076



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.4691, 18.7743, 12.9768



38.3784, 28.2649, 16.0165



28.0355, 27.9072, 14.4989



8.0617, 8.1281, 8.3574



12.8135, 6.8325, 0.6435



0.3749, 0.2269, 0.0240

Inverse Universe

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



25.2416, 31.8694, 43.3490



41.9326, 54.6589, 77.3420



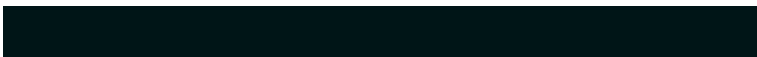
19.4384, 20.2631, 41.4146



8.1731, 8.9456, 10.2486



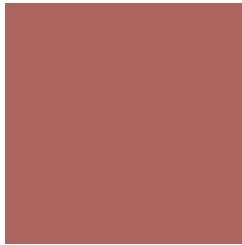
14.4536, 20.0411, 32.1511



0.4198, 0.5930, 0.9003

Previews

White Background



This preview shows how the XYZ color 23.4686, 18.7734, 12.9764 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 23.4686, 18.7734, 12.9764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

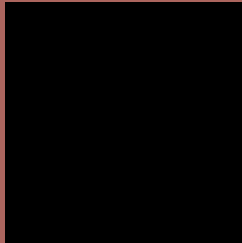
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4686, 18.7734, 12.9764

Background



This preview shows how black text looks on a background with the XYZ color 23.4686, 18.7734, 12.9764.



This preview shows how white text looks on a background with the XYZ color 23.4686, 18.7734,

12.9764.

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

23.4686, 18.7734, 12.9764

Protanopia

17.9170, 18.9242, 15.5404

Deuteranopia

19.2890, 18.9969, 12.5477



Tritanopia

24.0766, 18.7349, 15.9829

Trichromacy



Original Color

23.4686, 18.7734, 12.9764

Protanomaly

19.5331, 18.5700, 14.6115

Deuteranomaly

20.7531, 18.9139, 12.6822

Tritanomaly

23.9687, 18.8443, 14.9444

Monochromacy



Original Color

23.4686, 18.7734, 12.9764

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.5340, 18.6713, 17.6133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4686, 18.7734, 12.9764 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(171, 101, 94)` looks like.

```
.text, #text, p{  
    color:rgb(171, 101, 94)  
}
```

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(171, 101, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 101, 94) }
```

Border

The CSS property to change the border of an element to XYZ 23.4686, 18.7734, 12.9764 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(171, 101, 94) }
```


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

```
.border{ border-color:rgb(171, 101, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 101, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 101, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 101, 94);  
box-shadow:4px 4px 4px 4px rgb(171, 101,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4686, 18.7734, 12.9764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 101, 94) }
```

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

```
.background{ background-color: rgb(171,  
101, 94) }
```

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