

Converting Colors

XYZ(23.8215, 21.8639, 16.1810)

Have a look what the booklet for
XYZ(23.8215, 21.8639, 16.1810)
contains.

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Color

**XYZ(23.7935, 21.7702,
16.0447)**

Conversions

Conversions Part 1

Format	Color
Hex	A17768
RGB	161, 119, 104
RGB Percent	63%, 47%, 41%
CMY	0.3686, 0.5333, 0.5922
CMYK	0.00, 0.26, 0.35, 0.37
HSL	16°, 23%, 52%
HSV	16°, 35%, 63%
XYZ	23.7935, 21.7702, 16.0447
YIQ	129.8480, 29.8470, 4.2390

Conversions

Conversions Part 2

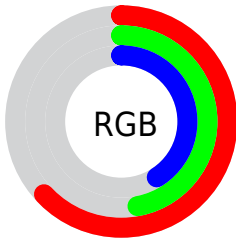
Format	Color
R_{YB}	161, 124, 104
Decimal	10581864
CIE _{Lab}	53.78, 14.33, 14.68
CIE _{LCh}	54, 20.515, 45.675
Yxy	21.7702, 0.3862, 0.3534
Android (android.graphics.Color)	4288771944 (0xFFA17768)
YUV	129.8480, -12.7431, 27.3203
Hunter-Lab	46.6585, 9.3735, 12.2726

Details

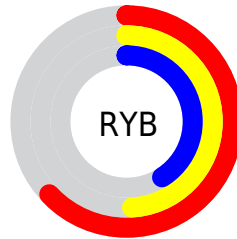
The XYZ color **23.7935, 21.7702, 16.0447** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.4205, 26.0732, 37.5693**, and the grayscale version is **21.2011, 22.3052, 24.2903**.

A 20% lighter version of the original color is **49.0946, 46.2441, 37.3488**, and **9.1130, 7.8639, 4.9085** is the 20% darker color. If you saturate the color by 10%, you get **21.7279, 18.8250, 11.6994**, and if you desaturate by 10%, it is **26.1927, 25.1323, 21.2720**.

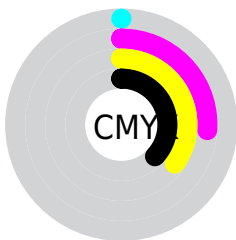
Distribution



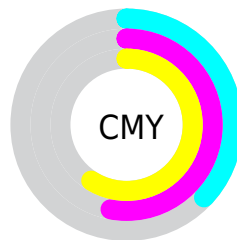
- Red (63%)
- Green (47%)
- Blue (41%)



- Red (63%)
- Yellow (49%)
- Blue (41%)



- Cyan (0%)
- Magenta (26%)
- Yellow (35%)
- Black (37%)



- Cyan (37%)
- Magenta (53%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7935, 21.7702, 16.0447 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 23.7935, 21.7702, 16.0447 by changing the saturation by 10% instead.

■ 23.7935, 21.7702,
16.0447

■ 23.7935, 21.7702,
16.0447

264.2347,
261.3438, 241.4600

■ 15.3044, 13.6881,
9.4011

■ 49.1501, 46.3659,
37.4437

■ 9.1210, 7.9041,
4.9033

■ 66.7484, 63.6483,
53.0361

■ 4.8779, 4.0336,
2.1329

■ 88.1138, 84.7663,
72.4485

■ 2.2098, 1.6924,
0.6353

■ 113.6116,
110.1043, 96.0996

■ 0.7479, 0.4187,
0.0000

143.6073,
140.0467, 124.4077

■ 0.0000, 0.0000,
0.0000

178.4661,

174.9778, 157.7914

218.5535,
215.2820, 196.6694

■ 23.7935, 21.7702,
16.0447

■ 23.7935, 21.7702,
16.0447

■ 21.7279, 18.8250,
11.6994

■ 26.1927, 25.1323,
21.2720

■ 19.9787, 16.2773,
8.1857

■ 28.9380, 28.9239,
27.4252

■ 18.5298, 14.1103,
5.4501

■ 32.0436, 33.1607,
34.5470

■ 17.3630, 12.3050,
3.4320

■ 35.5221, 37.8567,
42.6769

■ 16.4576, 10.8406,
2.0622

■ 39.3856, 43.0253,
51.8522

■ 15.7886, 9.6934,
1.2514

■ 43.6457, 48.6793,
62.1083

■ 15.5394, 9.2600,
0.9683

■ 48.3134, 54.8310,
73.4791

■ 53.3994, 61.4925,
85.9968

■ 58.9138, 68.6751,
99.6923

Harmonies

Analogous

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



25.0419, 21.7702, 20.5766



23.7935, 21.7702, 16.0447



21.7573, 21.7702, 13.7896

Triad

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



23.7935, 21.7702, 16.0447



16.8548, 21.7702, 20.8287



21.8570, 21.7702, 37.4002

Complementary

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



23.7935, 21.7702, 16.0447



22.4205, 26.0732, 37.5693

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.



19.6619, 21.7702, 37.5005



23.7935, 21.7702, 16.0447



16.8773, 21.7702, 27.1333

Square

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



23.7935, 21.7702, 16.0447



17.8084, 21.7702, 16.2009



17.8723, 21.7702, 33.4797



23.8710, 21.7702, 33.2261

Rectangle

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



23.7935, 21.7702, 16.0447



20.2761, 21.7702, 13.5695



17.8723, 21.7702, 33.4797



21.1134, 21.7702, 37.9333

Sweetspot

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



23.7941, 21.7712, 16.0451



54.0796, 54.8859, 54.2533



24.8953, 19.5767, 29.9678



11.7101, 11.8318, 11.5547



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.7941, 21.7712, 16.0451



39.8241, 35.0234, 22.8399



27.5917, 29.3665, 17.3110



7.2184, 7.3751, 7.4232



12.4402, 7.4544, 0.7832



0.2977, 0.2292, 0.0285

Inverse Universe

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



22.4205, 26.0732, 37.5693



37.0007, 43.8044, 66.8915



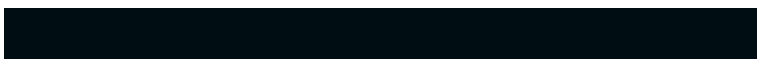
18.6501, 18.5323, 36.3125



7.1176, 7.6943, 9.0131



10.4051, 12.5896, 28.8114



0.2538, 0.3349, 0.6171

Previews

White Background



This preview shows how the XYZ color 23.7935, 21.7702, 16.0447 looks on a white background.

Color Contrast Check

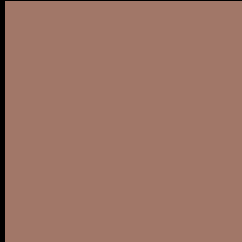
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7935, 21.7702, 16.0447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

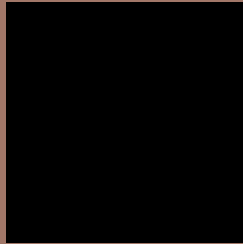
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7935, 21.7702, 16.0447

Background



This preview shows how black text looks on a background with the XYZ color 23.7935, 21.7702, 16.0447.



This preview shows how white text looks on a background with the XYZ color 23.7935, 21.7702,

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

23.7935, 21.7702, 16.0447

Protanopia

20.7639, 22.0389, 17.6276

Deuteranopia

22.2335, 21.8786, 15.8831



Tritanopia

25.0513, 21.7580, 22.2814

Trichromacy



Original Color

23.7935, 21.7702, 16.0447

Protanomaly

21.6645, 21.7485, 16.9660

Deuteranomaly

22.7341, 21.7684, 15.8355

Tritanomaly

24.4725, 21.6883, 19.7260

Monochromacy



Original Color

23.7935, 21.7702, 16.0447

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.8965, 21.9649, 21.1747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7935, 21.7702, 16.0447 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(161, 119, 104)` looks like.

```
.text, #text, p{  
    color:rgb(161, 119, 104)  
}
```

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(161, 119, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 119, 104) }
```

Border

The CSS property to change the border of an element to XYZ 23.7935, 21.7702, 16.0447 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(161, 119, 104) }
```


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

```
.border{ border-color:rgb(161, 119, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 119, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 119, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 119, 104);  
box-shadow:4px 4px 4px 4px rgb(161, 119,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7935, 21.7702, 16.0447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 119, 104) }
```

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

```
.background{ background-color: rgb(161,  
119, 104) }
```

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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