

Converting Colors

XYZ(23.8787, 22.2579, 15.0953)

Have a look what the booklet for
XYZ(23.8787, 22.2579, 15.0953)
contains.

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Color

**XYZ(23.8356, 22.1719,
15.0799)**

Conversions

Conversions Part 1

Format	Color
Hex	A17964
RGB	161, 121, 100
RGB Percent	63%, 47%, 39%
CMY	0.3686, 0.5255, 0.6078
CMYK	0.00, 0.25, 0.38, 0.37
HSL	21°, 24%, 51%
HSV	21°, 38%, 63%
XYZ	23.8356, 22.1719, 15.0799
YIQ	130.5660, 30.5810, 1.9490

Conversions

Conversions Part 2

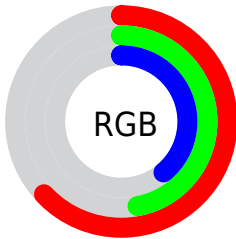
Format	Color
R_{YB}	161, 132, 100
Decimal	10582372
CIE _{Lab}	54.21, 12.68, 17.57
CIE _{LCh}	54, 21.671, 54.184
Yxy	22.1719, 0.3902, 0.3630
Android (android.graphics.Color)	4288772452 (0xFFA17964)
YUV	130.5660, -15.0690, 26.6906
Hunter-Lab	47.0870, 7.9549, 13.9730

Details

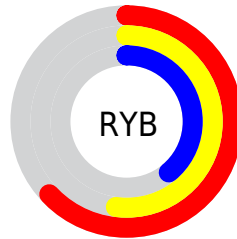
The XYZ color **23.8356, 22.1719, 15.0799** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.0664, 24.0380, 37.2478**, and the grayscale version is **21.4635, 22.5813, 24.5910**.

A 20% lighter version of the original color is **49.1448, 46.8732, 35.7354**, and **9.1443, 8.0799, 4.4458** is the 20% darker color. If you saturate the color by 10%, you get **21.9187, 19.4643, 10.9689**, and if you desaturate by 10%, it is **26.0481, 25.2240, 20.0497**.

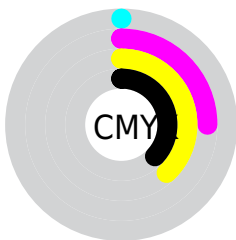
Distribution



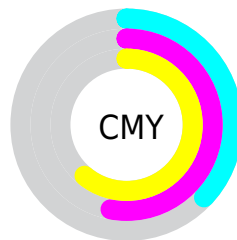
- Red (63%)
- Green (47%)
- Blue (39%)



- Red (63%)
- Yellow (52%)
- Blue (39%)



- Cyan (0%)
- Magenta (25%)
- Yellow (38%)
- Black (37%)




- Cyan (37%)
- Magenta (53%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8356, 22.1719, 15.0799 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 23.8356, 22.1719, 15.0799 by changing the saturation by 10% instead.


 23.8356, 22.1719,
15.0799


 23.8356, 22.1719,
15.0799


264.4442,
263.4427, 235.5067

 15.3358, 13.9833,
8.7282


 49.2184, 47.0299,
35.7376


 9.1432, 8.1090,
4.4700


 66.8321, 64.4681,
50.8807

 4.8926, 4.1648,
1.8865

 88.2145, 85.7583,
69.7913

 2.2185, 1.7662,
0.4842

 113.7310,
111.2849, 92.8880

 0.7525, 0.4660,
0.0000

143.7468,
141.4322, 120.5894

 0.0000, 0.0000,
0.0000

178.6274,

176.5847, 153.3140

218.7381,
217.1267, 191.4802

■ 23.8356, 22.1719,
15.0799

■ 23.8356, 22.1719,
15.0799

■ 21.9187, 19.4643,
10.9689

■ 26.0481, 25.2240,
20.0497

■ 20.2821, 17.0855,
7.6659

■ 28.5671, 28.6294,
25.9224

■ 18.9114, 15.0229,
5.1166

■ 31.4051, 32.4005,
32.7408

■ 17.7904, 13.2620,
3.2595

■ 34.5732, 36.5481,
40.5445

■ 16.9004, 11.7869,
2.0231

■ 38.0822, 41.0826,
49.3707

■ 16.2129, 10.5770,
1.2847

■ 41.9423, 46.0138,
59.2550

■ 16.0850, 10.3510,
1.1502

■ 46.1630, 51.3513,
70.2309

■ 50.7537, 57.1044,
82.3305

■ 55.7235, 63.2819,
95.5849

Harmonies

Analogous

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



25.4794, 22.1719, 19.2098



23.8356, 22.1719, 15.0799



21.5358, 22.1719, 13.4033

Triad

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



23.8356, 22.1719, 15.0799



16.8830, 22.1719, 22.8512



22.9834, 22.1719, 38.0061

Complementary

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



23.8356, 22.1719, 15.0799



21.0664, 24.0380, 37.2478

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.



20.6183, 22.1719, 39.4743



23.8356, 22.1719, 15.0799



17.2077, 22.1719, 29.8522

Square

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



23.8356, 22.1719, 15.0799



17.6116, 22.1719, 17.3211



18.5339, 22.1719, 36.2557



24.9622, 22.1719, 32.5515

Rectangle

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



23.8356, 22.1719, 15.0799



19.9837, 22.1719, 13.6265



18.5339, 22.1719, 36.2557



22.2027, 22.1719, 39.0201

Sweetspot

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



23.8362, 22.1730, 15.0803



54.4922, 55.7112, 54.3909



24.0383, 18.6048, 27.3938



11.8095, 12.0306, 11.5879



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.



23.8362, 22.1730, 15.0803



39.9142, 35.8010, 21.0277



28.0382, 30.5770, 16.4810



7.2639, 7.4662, 7.4384



12.8814, 8.3368, 0.9302



0.3134, 0.2606, 0.0338

Inverse Universe

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



21.0664, 24.0380, 37.2478



34.2551, 39.5801, 66.2208



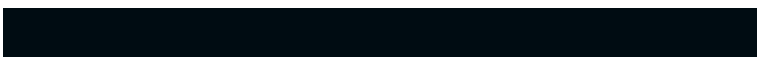
17.2827, 16.4706, 35.9866



7.0698, 7.5986, 8.9971



9.2575, 10.2944, 28.4289



0.2359, 0.2990, 0.6111

Previews

White Background



This preview shows how the XYZ color 23.8356, 22.1719, 15.0799 looks on a white background.

Color Contrast Check

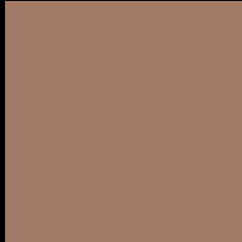
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8356, 22.1719, 15.0799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

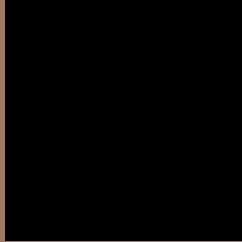
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8356, 22.1719, 15.0799

Background



This preview shows how black text looks on a background with the XYZ color 23.8356, 22.1719, 15.0799.



This preview shows how white text looks on a background with the XYZ color 23.8356, 22.1719,

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

23.8356, 22.1719, 15.0799

Protanopia

20.9626, 22.3680, 16.3093

Deuteranopia

22.7226, 22.3404, 14.9189



Tritanopia

25.4370, 22.1215, 22.6679

Trichromacy



Original Color

23.8356, 22.1719, 15.0799

Protanomaly

21.8916, 22.2690, 15.9765

Deuteranomaly

23.1701, 22.3841, 14.9037

Tritanomaly

24.7936, 22.0278, 19.7746

Monochromacy



Original Color

23.8356, 22.1719, 15.0799

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.1349, 22.2856, 20.9042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8356, 22.1719, 15.0799 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, 121, 100)` looks like.

```
.text, #text, p{  
    color:rgb(161, 121, 100)  
}
```

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, 121, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 121, 100) }
```

Border

The CSS property to change the border of an element to XYZ 23.8356, 22.1719, 15.0799 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, 121, 100) }
```


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

```
.border{ border-color:rgb(161, 121, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 121, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 121, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 121, 100); box-shadow:4px 4px 4px 4px rgb(161, 121, 100) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8356, 22.1719, 15.0799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 121, 100) }
```

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

```
.background{ background-color: rgb(161,  
121, 100) }
```

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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