

Converting Colors

XYZ(23.4460, 22.1732, 12.2504)

Have a look what the booklet for
XYZ(23.4460, 22.1732, 12.2504)
contains.

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Color

**XYZ(23.4189, 22.2007,
12.2834)**

Conversions

Conversions Part 1

Format	Color
Hex	A17A58
RGB	161, 122, 88
RGB Percent	63%, 48%, 35%
CMY	0.3686, 0.5216, 0.6549
CMYK	0.00, 0.24, 0.45, 0.37
HSL	28°, 29%, 49%
HSV	28°, 45%, 63%
XYZ	23.4189, 22.2007, 12.2834
YIQ	129.7850, 34.1580, -2.3060

Conversions

Conversions Part 2

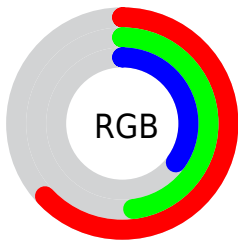
Format	Color
R_{YB}	161, 152, 88
Decimal	10582616
CIE _{Lab}	54.24, 10.70, 24.46
CIE _{LCh}	54, 26.702, 66.372
Yxy	22.2007, 0.4045, 0.3834
Android (android.graphics.Color)	4288772696 (0xFFA17A58)
YUV	129.7850, -20.6000, 27.3756
Hunter-Lab	47.1176, 6.2641, 17.5256

Details

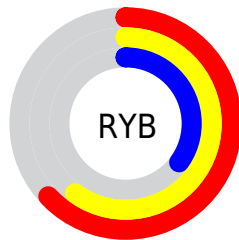
The XYZ color **23.4189, 22.2007, 12.2834** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.0466, 19.8259, 36.5937**, and the grayscale version is **21.2046, 22.3089, 24.2944**.

A 20% lighter version of the original color is **48.3388, 46.8588, 30.5417**, and **8.8639, 8.0581, 3.2787** is the 20% darker color. If you saturate the color by 10%, you get **21.8146, 19.9442, 8.8139**, and if you desaturate by 10%, it is **25.2650, 24.7052, 16.5607**.

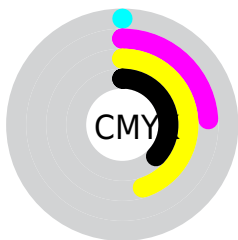
Distribution



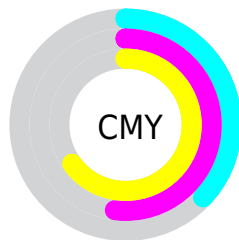
- Red (63%)
- Green (48%)
- Blue (35%)



- Red (63%)
- Yellow (60%)
- Blue (35%)



- Cyan (0%)
- Magenta (24%)
- Yellow (45%)
- Black (37%)



- Cyan (37%)
- Magenta (52%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4189, 22.2007, 12.2834 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 23.4189, 22.2007, 12.2834 by changing the saturation by 10% instead.

■ 23.4189, 22.2007,
12.2834

■ 23.4189, 22.2007,
12.2834

262.3647,
263.5926, 217.3166

■ 15.0255, 14.0044,
6.8121

■ 48.5419, 47.0775,
30.6823

■ 8.9237, 8.1238,
3.2682

■ 66.0022, 64.5268,
44.4470

■ 4.7482, 4.1742,
1.2332

■ 87.2155, 85.8293,
61.8132

■ 2.1335, 1.7715,
0.0061

■ 112.5471,
111.3693, 83.1996

■ 0.7073, 0.4693,
0.0000

■ 142.3625,
141.5312, 109.0245

■ 0.0000, 0.0000,
0.0000

177.0270,

176.6995, 139.7067

216.9059,
217.2585, 175.6645

■ 23.4189, 22.2007,
12.2834

■ 23.4189, 22.2007,
12.2834

■ 21.8146, 19.9442,
8.8139

■ 25.2650, 24.7052,
16.5607

■ 20.4384, 17.9237,
6.0984

■ 27.3627, 27.4628,
21.6921

■ 19.2772, 16.1310,
4.0785

■ 29.7227, 30.4822,
27.7221

■ 18.3158, 14.5556,
2.6867

■ 32.3551, 33.7708,
34.6915

■ 17.5351, 13.1857,
1.8363

■ 35.2690, 37.3357,
42.6387

■ 17.2136, 12.6084,
1.5264

■ 38.4731, 41.1837,
51.6000

■ 41.9759, 45.3212,
61.6097

■ 45.7855, 49.7546,
72.7005

■ 49.9094, 54.4899,
84.9038

Harmonies

Analogous

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



25.9235, 22.2007, 15.8762



23.4189, 22.2007, 12.2834



20.4875, 22.2007, 11.5095

Triad

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



23.4189, 22.2007, 12.2834



16.0245, 22.2007, 25.9911



24.5883, 22.2007, 39.4688

Complementary

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



23.4189, 22.2007, 12.2834



18.0466, 19.8259, 36.5937

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.



21.7268, 22.2007, 43.8006



23.4189, 22.2007, 12.2834



16.9173, 22.2007, 34.9491

Square

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



23.4189, 22.2007, 12.2834



16.3881, 22.2007, 18.3137



18.9415, 22.2007, 41.9809



26.6407, 22.2007, 31.1646

Rectangle

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



23.4189, 22.2007, 12.2834



18.7170, 22.2007, 12.4906



18.9415, 22.2007, 41.9809



23.6796, 22.2007, 41.5151

Sweetspot

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



23.4195, 22.2018, 12.2838



53.7156, 55.2026, 50.9112



22.0939, 16.1192, 22.4209



11.5814, 11.8550, 10.6469



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.



23.4195, 22.2018, 12.2838



39.1557, 35.8438, 15.9661



28.5756, 32.5141, 14.0026



7.3330, 7.6044, 7.4614



13.7881, 10.1502, 1.2325



0.3369, 0.3077, 0.0416

Inverse Universe

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



18.0466, 19.8259, 36.5937



28.3377, 31.0518, 64.8866



14.2546, 12.2420, 35.3297



6.9991, 7.4571, 8.9735



7.8371, 7.4537, 27.9554



0.2115, 0.2502, 0.6030

Previews

White Background



This preview shows how the XYZ color 23.4189, 22.2007, 12.2834 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 23.4189, 22.2007, 12.2834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

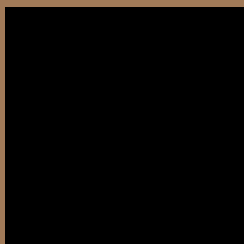
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4189, 22.2007, 12.2834

Background



This preview shows how black text looks on a background with the XYZ color 23.4189, 22.2007, 12.2834.



This preview shows how white text looks on a background with the XYZ color 23.4189, 22.2007,

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

23.4189, 22.2007, 12.2834

Protanopia

20.6862, 22.2960, 13.1108

Deuteranopia

22.6794, 22.1878, 12.3199



Tritanopia

25.4370, 22.1215, 22.6679

Trichromacy



Original Color

23.4189, 22.2007, 12.2834

Protanomaly

21.6476, 22.2128, 12.8194

Deuteranomaly

22.9450, 22.1396, 12.2966

Tritanomaly

24.6257, 22.1500, 18.3067

Monochromacy



Original Color

23.4189, 22.2007, 12.2834

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.6684, 22.0793, 19.3393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4189, 22.2007, 12.2834 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, 122, 88)` looks like.

```
.text, #text, p{  
    color:rgb(161, 122, 88)  
}
```

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, 122, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 122, 88) }
```

Border

The CSS property to change the border of an element to XYZ 23.4189, 22.2007, 12.2834 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, 122, 88) }
```


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

```
.border{ border-color:rgb(161, 122, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 122, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 122, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 122, 88);  
box-shadow:4px 4px 4px 4px rgb(161, 122,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4189, 22.2007, 12.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 122, 88) }
```

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

```
.background{ background-color: rgb(161,  
122, 88) }
```

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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