

Converting Colors

XYZ(23.1896, 22.0783, 13.0703)

Have a look what the booklet for
XYZ(23.1896, 22.0783, 13.0703)
contains.

XYZ(23.1894, 22.0627, 13.1615)	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(23.1894, 22.0627,
13.1615)**

Conversions

Conversions Part 1

Format	Color
Hex	9F7A5C
RGB	159, 122, 92
RGB Percent	62%, 48%, 36%
CMY	0.3765, 0.5216, 0.6392
CMYK	0.00, 0.23, 0.42, 0.38
HSL	27°, 27%, 49%
HSV	27°, 42%, 62%
XYZ	23.1894, 22.0627, 13.1615
YIQ	129.6430, 31.6820, -1.4860

Conversions

Conversions Part 2

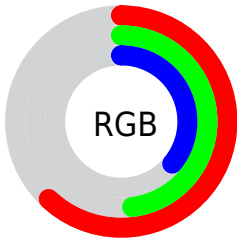
Format	Color
R_{YB}	159, 146, 92
Decimal	10451548
CIE _{Lab}	54.09, 10.30, 21.96
CIE _{LCh}	54, 24.259, 64.866
Yxy	22.0627, 0.3970, 0.3777
Android (android.graphics.Color)	4288641628 (0xFF9F7A5C)
YUV	129.6430, -18.5580, 25.7461
Hunter-Lab	46.9709, 5.9257, 16.2663

Details

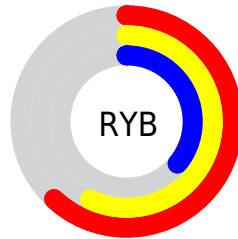
The XYZ color **23.1894, 22.0627, 13.1615** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.5216, 20.4783, 35.7775**, and the grayscale version is **21.1481, 22.2494, 24.2296**.

A 20% lighter version of the original color is **48.0429, 46.6722, 32.0677**, and **8.8195, 8.0265, 3.6692** is the 20% darker color. If you saturate the color by 10%, you get **21.5363, 19.7545, 9.5338**, and if you desaturate by 10%, it is **25.0869, 24.6262, 17.5909**.

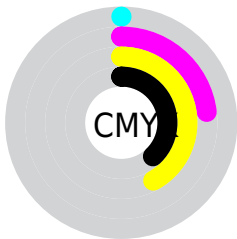
Distribution



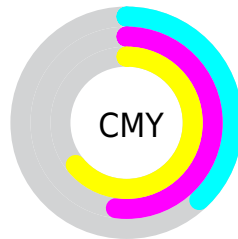
- Red (62%)
- Green (48%)
- Blue (36%)



- Red (62%)
- Yellow (57%)
- Blue (36%)



- Cyan (0%)
- Magenta (23%)
- Yellow (42%)
- Black (38%)



- Cyan (38%)
- Magenta (52%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1894, 22.0627, 13.1615 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 23.1894, 22.0627, 13.1615 by changing the saturation by 10% instead.

■ 23.1894, 22.0627,
13.1615

■ 23.1894, 22.0627,
13.1615

261.2135,
262.8735, 223.1942

■ 14.8549, 13.9030,
7.4078

■ 48.1685, 46.8496,
32.2891

■ 8.8033, 8.0532,
3.6361

■ 65.5438, 64.2456,
46.5000

■ 4.6692, 4.1290,
1.4279

■ 86.6634, 85.4891,
64.3671

■ 2.0872, 1.7460,
0.1634

■ 111.8927,
110.9645, 86.3090

■ 0.6823, 0.4532,
0.0000

141.5970,
141.0563, 112.7440

■ 0.0000, 0.0000,
0.0000

176.1416,

176.1488, 144.0909

215.8920,
216.6264, 180.7681

■ 23.1894, 22.0627,
13.1615

■ 23.1894, 22.0627,
13.1615

■ 21.5363, 19.7545,
9.5338

■ 25.0869, 24.6262,
17.5909

■ 20.1142, 17.6897,
6.6572

■ 27.2381, 27.4501,
22.8657

■ 18.9108, 15.8598,
4.4772

■ 29.6536, 30.5433,
29.0281

■ 17.9114, 14.2545,
2.9313

■ 32.3429, 33.9134,
36.1170

■ 17.0994, 12.8625,
1.9456

■ 35.3152, 37.5675,
44.1689

■ 16.5642, 11.9032,
1.4245

■ 38.5791, 41.5126,
53.2186

■ 42.1426, 45.7552,
63.2987

■ 46.0137, 50.3018,
74.4408

■ 50.1999, 55.1585,
86.6748

Harmonies

Analogous

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



25.3936, 22.0627, 16.6652



23.1894, 22.0627, 13.1615



20.5443, 22.0627, 12.2989

Triad

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



23.1894, 22.0627, 13.1615



16.3287, 22.0627, 25.2708



23.9922, 22.0627, 37.9546

Complementary

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



23.1894, 22.0627, 13.1615



18.5216, 20.4783, 35.7775

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.



21.4014, 22.0627, 41.5124



23.1894, 22.0627, 13.1615



17.0924, 22.0627, 33.2780

Square

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



23.1894, 22.0627, 13.1615



16.7212, 22.0627, 18.3871



18.8968, 22.0627, 39.6438



25.8835, 22.0627, 30.7057

Rectangle

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



23.1894, 22.0627, 13.1615



18.9167, 22.0627, 13.1424



18.8968, 22.0627, 39.6438



23.1666, 22.0627, 39.6837

Sweetspot

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



23.1900, 22.0638, 13.1619



52.6030, 54.0614, 50.6816



22.1524, 16.6362, 23.1511



11.6475, 11.9186, 10.8805



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.



23.1900, 22.0638, 13.1619



38.6158, 35.4443, 17.1720



27.8738, 31.4314, 14.7232



6.8654, 7.1107, 6.9963



13.1235, 9.4827, 1.1387



0.2763, 0.2528, 0.0342

Inverse Universe

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



18.5216, 20.4783, 35.7775



29.0609, 32.1880, 63.4247



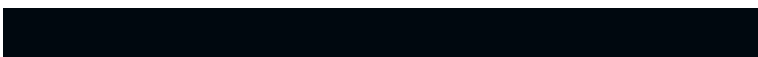
14.8974, 13.2299, 34.5694



6.5731, 7.0119, 8.4137



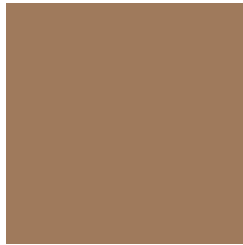
7.7281, 7.5478, 26.9568



0.1801, 0.2188, 0.4960

Previews

White Background



This preview shows how the XYZ color 23.1894, 22.0627, 13.1615 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 23.1894, 22.0627, 13.1615 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 23.1894, 22.0627, 13.1615

Background



This preview shows how black text looks on a background with the XYZ color 23.1894, 22.0627, 13.1615.



This preview shows how white text looks on a background with the XYZ color 23.1894, 22.0627,

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

23.1894, 22.0627, 13.1615

Protanopia

20.5633, 22.0157, 13.9921

Deuteranopia

22.4658, 22.0580, 13.1988



Tritanopia

25.0275, 21.9103, 22.6487

Trichromacy



Original Color

23.1894, 22.0627, 13.1615

Protanomaly

21.3353, 21.8409, 13.6809

Deuteranomaly

22.7250, 22.0065, 13.1752

Tritanomaly

24.3320, 21.9856, 18.8808

Monochromacy



Original Color

23.1894, 22.0627, 13.1615

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.7263, 22.1024, 19.6441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1894, 22.0627, 13.1615 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(159, 122, 92)` looks like.

```
.text, #text, p{  
    color:rgb(159, 122, 92)  
}
```

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(159, 122, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 122, 92) }
```

Border

The CSS property to change the border of an element to XYZ 23.1894, 22.0627, 13.1615 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(159, 122, 92) }
```


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

```
.border{ border-color:rgb(159, 122, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 122, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 122, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 122, 92);  
box-shadow:4px 4px 4px 4px rgb(159, 122,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1894, 22.0627, 13.1615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 122, 92) }
```

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

```
.background{ background-color: rgb(159,  
122, 92) }
```

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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