

Converting Colors

XYZ(23.6838, 22.2060, 21.5806)

Have a look what the booklet for
XYZ(23.6838, 22.2060, 21.5806)
contains.

XYZ(23.6093, 22.0965, 21.4331)	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(23.6093, 22.0965,
21.4331)**

Conversions

Conversions Part 1

Format	Color
Hex	997A7A
RGB	153, 122, 122
RGB Percent	60%, 48%, 48%
CMY	0.4000, 0.5216, 0.5216
CMYK	0.00, 0.20, 0.20, 0.40
HSL	0°, 13%, 54%
HSV	0°, 20%, 60%
XYZ	23.6093, 22.0965, 21.4331
YIQ	131.2690, 18.4760, 6.5720

Conversions

Conversions Part 2

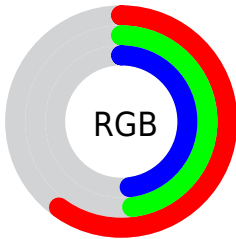
Format	Color
R _Y B	153, 122, 122
Decimal	10058362
CIE Lab	54.13, 12.02, 4.57
CIE LCh	54, 12.863, 20.811
Yxy	22.0965, 0.3516, 0.3291
Android (android.graphics.Color)	4288248442 (0xFF997A7A)
YUV	131.2690, -4.5696, 19.0581
Hunter-Lab	47.0069, 7.3898, 5.8712

Details

The XYZ color **23.6093, 22.0965, 21.4331** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.1669, 29.2194, 34.4508**, and the grayscale version is **21.6813, 22.8104, 24.8405**.

A 20% lighter version of the original color is **48.7885, 46.7380, 46.4943**, and **8.9520, 8.0128, 7.3781** is the 20% darker color. If you saturate the color by 10%, you get **21.0021, 18.2816, 16.2493**, and if you desaturate by 10%, it is **26.6627, 26.5646, 27.5025**.

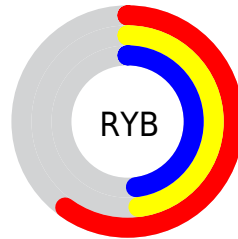
Distribution



Red (60%)

Green (48%)

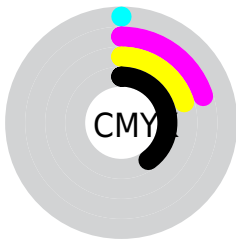
Blue (48%)



Red (60%)

Yellow (48%)

Blue (48%)

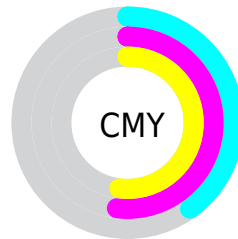


Cyan (0%)

Magenta (20%)

Yellow (20%)

Black (40%)



Cyan (40%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6093, 22.0965, 21.4331 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 23.6093, 22.0965, 21.4331 by changing the saturation by 10% instead.

■ 23.6093, 22.0965,
21.4331

■ 23.6093, 22.0965,
21.4331

263.3165,
263.0498, 272.4276

■ 15.1672, 13.9278,
13.2466

■ 48.8512, 46.9054,
46.6973

■ 9.0239, 8.0705,
7.4659

■ 66.3817, 64.3145,
64.6122

■ 4.8140, 4.1401,
3.6723

■ 87.6725, 85.5725,
86.6069

■ 2.1722, 1.7522,
1.4473

113.0888,
111.0637, 113.1000

■ 0.7280, 0.4571,
0.1782

142.9960,
141.1727, 144.5101

■ 0.0000, 0.0000,
0.0000

177.7594,

176.2838, 181.2557

217.7445,
216.7814, 223.7554

■ 23.6093, 22.0965,
21.4331

■ 23.6093, 22.0965,
21.4331

■ 21.0021, 18.2816,
16.2493

■ 26.6627, 26.5646,
27.5025

■ 18.8186, 15.0864,
11.9086

■ 30.1800, 31.7113,
34.4948

■ 17.0369, 12.4793,
8.3667

■ 34.1799, 37.5642,
42.4467

■ 15.6325, 10.4242,
5.5749

■ 38.6797, 44.1487,
51.3926

■ 14.5783, 8.8816,
3.4794

■ 43.6960, 51.4888,
61.3651

■ 13.8436, 7.8064,
2.0189

■ 49.2443, 59.6074,
72.3954

■ 13.3921, 7.1458,
1.1217

■ 55.3397, 68.5265,
84.5133

■ 13.1371, 6.7727,
0.6148

■ 61.9965, 78.2671,
97.7475

■ 66.9470, 85.5124,
107.5848

Harmonies

Analogous

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



23.7615, 22.0965, 25.3066



23.6093, 22.0965, 21.4331



22.7422, 22.0965, 18.5852

Triad

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



23.6093, 22.0965, 21.4331



18.9918, 22.0965, 19.5262



20.5768, 22.0965, 32.4633

Complementary

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



23.6093, 22.0965, 21.4331



25.1669, 29.2194, 34.4508

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.



19.3530, 22.0965, 30.5149



23.6093, 22.0965, 21.4331



18.4650, 22.0965, 22.8538

Square

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



23.6093, 22.0965, 21.4331



20.0638, 22.0965, 17.5718



18.5942, 22.0965, 26.8918



21.9691, 22.0965, 31.9744

Rectangle

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



23.6093, 22.0965, 21.4331



21.8957, 22.0965, 17.5116



18.5942, 22.0965, 26.8918



20.1331, 22.0965, 32.0643

Sweetspot

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



23.6099, 22.0975, 21.4336



50.2560, 51.2415, 54.2364



25.8465, 22.9916, 33.2129



11.0177, 11.1987, 11.8184



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.6099, 22.0975, 21.4336



40.2196, 36.5555, 34.2841



25.6670, 26.2116, 22.1192



6.2088, 6.2228, 6.4797



10.8575, 5.5974, 0.5082



0.1623, 0.0837, 0.0076

Inverse Universe

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



25.1669, 29.2194, 34.4508



43.4896, 51.5129, 61.6228



22.7930, 24.4716, 33.6595



6.3846, 7.0265, 7.9487



14.1650, 20.7267, 28.1618



0.2118, 0.3099, 0.4210

Previews

White Background



This preview shows how the XYZ color 23.6093, 22.0965, 21.4331 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 23.6093, 22.0965, 21.4331 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 23.6093, 22.0965, 21.4331

Background



This preview shows how black text looks on a background with the XYZ color 23.6093, 22.0965, 21.4331.



This preview shows how white text looks on a background with the XYZ color 23.6093, 22.0965,

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

23.6093, 22.0965, 21.4331

Protanopia

21.2890, 22.1934, 22.9004

Deuteranopia

22.4619, 22.0674, 21.1647



Tritanopia

24.1931, 22.1565, 24.1206

Trichromacy



Original Color

23.6093, 22.0965, 21.4331

Protanomaly

21.9777, 21.9778, 22.4858

Deuteranomaly

22.8716, 22.0917, 21.1478

Tritanomaly

23.9946, 22.0771, 23.0753

Monochromacy



Original Color

23.6093, 22.0965, 21.4331

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.2629, 22.4858, 23.5889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6093, 22.0965, 21.4331 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(153, 122, 122)` looks like.

```
.text, #text, p{  
    color:rgb(153, 122, 122)  
}
```

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(153, 122, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 122, 122) }
```

Border

The CSS property to change the border of an element to XYZ 23.6093, 22.0965, 21.4331 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(153, 122, 122) }
```


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

```
.border{ border-color:rgb(153, 122, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 122, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 122, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 122, 122);  
box-shadow:4px 4px 4px 4px rgb(153, 122,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6093, 22.0965, 21.4331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 122, 122) }
```

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

```
.background{ background-color: rgb(153,  
122, 122) }
```

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