

Converting Colors

XYZ(22.9720, 22.8328, 19.8815)

Have a look what the booklet for
XYZ(22.9720, 22.8328, 19.8815)
contains.

XYZ(23.0130, 22.7590, 20.0096)	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(23.0130, 22.7590,
20.0096)**

Conversions

Conversions Part 1

Format	Color
Hex	947F75
RGB	148, 127, 117
RGB Percent	58%, 50%, 46%
CMY	0.4196, 0.5019, 0.5412
CMYK	0.00, 0.14, 0.21, 0.42
HSL	19°, 13%, 52%
HSV	19°, 21%, 58%
XYZ	23.0130, 22.7590, 20.0096
YIQ	132.1390, 15.7260, 1.3420

Conversions

Conversions Part 2

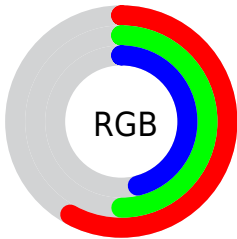
Format	Color
R_{YB}	148, 132, 117
Decimal	9731957
CIE _{Lab}	54.82, 6.36, 8.40
CIE _{LCh}	55, 10.540, 52.857
Yxy	22.7590, 0.3498, 0.3460
Android (android.graphics.Color)	4287922037 (0xFF947F75)
YUV	132.1390, -7.4635, 13.9101
Hunter-Lab	47.7064, 2.6201, 8.5263

Details

The XYZ color **23.0130, 22.7590, 20.0096** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.7697, 24.0964, 31.5208**, and the grayscale version is **22.0049, 23.1509, 25.2113**.

A 20% lighter version of the original color is **47.8398, 48.0636, 44.2919**, and **8.7283, 8.4198, 6.7954** is the 20% darker color. If you saturate the color by 10%, you get **20.9800, 19.9770, 15.3728**, and if you desaturate by 10%, it is **25.3137, 25.8558, 25.4149**.

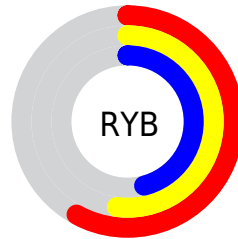
Distribution



Red (58%)

Green (50%)

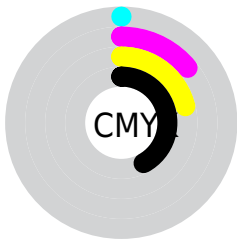
Blue (46%)



Red (58%)

Yellow (52%)

Blue (46%)

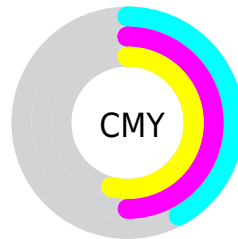


Cyan (0%)

Magenta (14%)

Yellow (21%)

Black (42%)



Cyan (42%)

Magenta (50%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0130, 22.7590, 20.0096 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 23.0130, 22.7590, 20.0096 by changing the saturation by 10% instead.

■ 23.0130, 22.7590,
20.0096

■ 23.0130, 22.7590,
20.0096

260.3258,
266.4847, 264.5730

■ 14.7239, 14.4157,
12.2179

■ 47.8812, 47.9973,
44.2925

■ 8.7109, 8.4103,
6.7679

■ 65.1909, 65.6610,
61.6207

■ 4.6087, 4.3586,
3.2411

■ 86.2382, 87.2004,
82.9648

■ 2.0519, 1.8761,
1.2190

111.3885,
112.9997, 108.7434

■ 0.6629, 0.5340,
0.0000

141.0070,
143.4434, 139.3750

■ 0.0000, 0.0000,
0.0000

175.4592,

178.9159, 175.2781

215.1103,
219.8015, 216.8712

■ 23.0130, 22.7590,
20.0096

■ 23.0130, 22.7590,
20.0096

■ 20.9800, 19.9770,
15.3728

■ 25.3137, 25.8558,
25.4149

■ 19.2025, 17.4966,
11.4680

■ 27.8899, 29.2738,
31.6203

■ 17.6705, 15.3083,
8.2576

■ 30.7513, 33.0233,
38.6573

■ 16.3721, 13.4006,
5.7001

■ 33.9065, 37.1131,
46.5552

■ 15.2945, 11.7616,
3.7497

■ 37.3639, 41.5515,
55.3418

■ 14.4235, 10.3781,
2.3542

■ 41.1314, 46.3469,
65.0439

■ 13.7430, 9.2358,
1.4528

■ 45.2168, 51.5070,
75.6870

■ 13.2598, 8.3900,
0.9206

■ 49.6273, 57.0394,
87.2956

■ 54.3702, 62.9516,
99.8933

Harmonies

Analogous

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



23.7627, 22.7590, 22.3709



23.0130, 22.7590, 20.0096



21.9116, 22.7590, 18.9435

Triad

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



23.0130, 22.7590, 20.0096



19.4839, 22.7590, 23.9913



22.5138, 22.7590, 31.1763

Complementary

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



23.0130, 22.7590, 20.0096



21.7697, 24.0964, 31.5208

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.



21.3543, 22.7590, 31.7084



23.0130, 22.7590, 20.0096



19.6321, 22.7590, 27.3576

Square

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



23.0130, 22.7590, 20.0096



19.8945, 22.7590, 21.1046



20.3069, 22.7590, 30.2556



23.4673, 22.7590, 28.8606

Rectangle

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



23.0130, 22.7590, 20.0096



21.1370, 22.7590, 19.0365



20.3069, 22.7590, 30.2556



22.1341, 22.7590, 31.5777

Sweetspot

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



23.0136, 22.7600, 20.0101



46.7963, 48.4593, 49.9471



23.1750, 20.8590, 26.9194



10.6232, 10.9834, 11.2591



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.0136, 22.7600, 20.0101



38.9150, 37.8553, 31.4165



25.1440, 27.0208, 20.7202



5.9445, 6.1028, 6.1051



11.3485, 7.2115, 0.7938



0.1634, 0.1373, 0.0179

Inverse Universe

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



21.7697, 24.0964, 31.5208



36.3255, 40.6323, 55.3628



19.7254, 20.0078, 30.8394



5.8080, 6.2499, 7.3700



8.5036, 9.7020, 25.3555



0.1309, 0.1723, 0.3193

Previews

White Background



This preview shows how the XYZ color 23.0130, 22.7590, 20.0096 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 23.0130, 22.7590, 20.0096 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 23.0130, 22.7590, 20.0096

Background



This preview shows how black text looks on a background with the XYZ color 23.0130, 22.7590, 20.0096.



This preview shows how white text looks on a background with the XYZ color 23.0130, 22.7590,

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

23.0130, 22.7590, 20.0096

Protanopia

21.7626, 22.8829, 20.7226

Deuteranopia

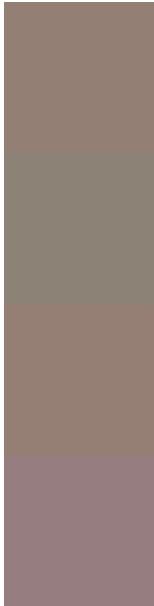
23.1947, 22.8527, 20.0181



Tritanopia

24.0884, 22.6206, 25.6509

Trichromacy



Original Color

23.0130, 22.7590, 20.0096

Protanomaly

22.2372, 22.9360, 20.3946

Deuteranomaly

23.1947, 22.8527, 20.0181

Tritanomaly

23.6243, 22.6153, 23.5421

Monochromacy



Original Color

23.0130, 22.7590, 20.0096

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.2946, 22.9008, 23.3239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0130, 22.7590, 20.0096 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(148, 127, 117) looks like.

```
.text, #text, p{  
    color:rgb(148, 127, 117)  
}
```

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(148, 127, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 127, 117) }
```

Border

The CSS property to change the border of an element to XYZ 23.0130, 22.7590, 20.0096 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(148, 127, 117) }
```


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

```
.border{ border-color:rgb(148, 127, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 127, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 127, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 127, 117);  
box-shadow:4px 4px 4px 4px rgb(148, 127,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0130, 22.7590, 20.0096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 127, 117) }
```

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

```
.background{ background-color: rgb(148,  
127, 117) }
```

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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