

Converting Colors

XYZ(23.0889, 23.8781, 23.6425)

Have a look what the booklet for
XYZ(23.0889, 23.8781, 23.6425)
contains.

XYZ(23.0990, 23.9090, 23.8195)	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(23.0990, 23.9090,
23.8195)**

Conversions

Conversions Part 1

Format	Color
Hex	8C8580
RGB	140, 133, 128
RGB Percent	55%, 52%, 50%
CMY	0.4510, 0.4784, 0.4980
CMYK	0.00, 0.05, 0.09, 0.45
HSL	25°, 5%, 53%
HSV	25°, 9%, 55%
XYZ	23.0990, 23.9090, 23.8195
YIQ	134.5230, 5.7770, -0.0710

Conversions

Conversions Part 2

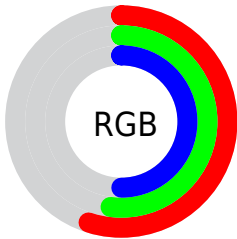
Format	Color
R_{YB}	140, 137, 128
Decimal	9209216
CIE Lab	56.00, 1.69, 3.62
CIE LCh	56, 3.999, 64.936
Yxy	23.9090, 0.3261, 0.3376
Android (android.graphics.Color)	4287399296 (0xFF8C8580)
YUV	134.5230, -3.2158, 4.8033
Hunter-Lab	48.8968, -1.2456, 5.3454

Details

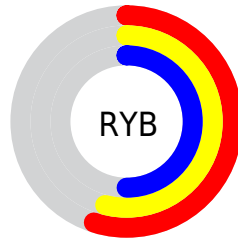
The XYZ color **23.0990, 23.9090, 23.8195** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.2996, 23.8101, 28.2317**, and the grayscale version is **22.8631, 24.0538, 26.1946**.

A 20% lighter version of the original color is **48.1475, 49.9233, 50.8146**, and **8.7981, 9.0788, 8.6858** is the 20% darker color. If you saturate the color by 10%, you get **21.1660, 21.4172, 18.9382**, and if you desaturate by 10%, it is **25.2474, 26.6276, 29.4005**.

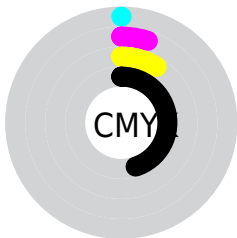
Distribution



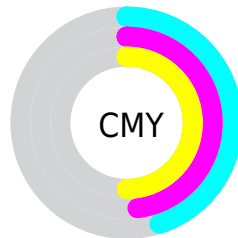
- Red (55%)
- Green (52%)
- Blue (50%)



- Red (55%)
- Yellow (54%)
- Blue (50%)



- Cyan (0%)
- Magenta (5%)
- Yellow (9%)
- Black (45%)



- Cyan (45%)
- Magenta (48%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0990, 23.9090, 23.8195 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 23.0990, 23.9090, 23.8195 by changing the saturation by 10% instead.

■ 23.0990, 23.9090,
23.8195

■ 23.0990, 23.9090,
23.8195

260.7589,
272.3601, 285.1638

■ 14.7877, 15.2661,
14.9888

■ 48.0213, 49.8817,
50.6756

■ 8.7559, 9.0064,
8.6650

■ 65.3630, 67.9802,
69.5381

■ 4.6381, 4.7453,
4.4295

■ 86.4456, 89.9995,
92.5817

■ 2.0691, 2.0986,
1.8638

111.6344,
116.3239, 120.2248

■ 0.6723, 0.6639,
0.4696

141.2948,
147.3377, 152.8860

■ 0.0000, 0.0000,
0.0000

175.7921,

183.4254, 190.9839

215.4917,
224.9714, 234.9370

■ 23.0990, 23.9090,
23.8195

■ 23.0990, 23.9090,
23.8195

■ 21.1660, 21.4172,
18.9382

■ 25.2474, 26.6276,
29.4005

■ 19.4392, 19.1429,
14.7272

■ 27.6160, 29.5755,
35.7061

■ 17.9119, 17.0810,
11.1572

■ 30.2119, 32.7593,
42.7616

■ 16.5758, 15.2249,
8.1961

■ 33.0412, 36.1844,
50.5909

■ 15.4223, 13.5675,
5.8090

■ 36.1100, 39.8559,
59.2166

■ 14.4420, 12.1014,
3.9576

■ 39.4240, 43.7787,
68.6605

■ 13.6244, 10.8187,
2.5985

■ 42.9886, 47.9578,
78.9435

■ 12.9576, 9.7104,
1.6816

■ 46.8092, 52.3978,
90.0858

■ 12.4177, 8.7627,
1.0943

■ 50.8909, 57.1033,
102.1069

Harmonies

Analogous

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



23.4527, 23.9090, 24.6184



23.0990, 23.9090, 23.8195



22.6493, 23.9090, 23.6056

Triad

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



23.0990, 23.9090, 23.8195



21.8607, 23.9090, 26.2500



23.2316, 23.9090, 28.1505

Complementary

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



23.0990, 23.9090, 23.8195



22.2996, 23.8101, 28.2317

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.



22.8005, 23.9090, 28.6210



23.0990, 23.9090, 23.8195



22.0121, 23.9090, 27.5005

Square

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



23.0990, 23.9090, 23.8195



21.9382, 23.9090, 24.9814



22.3546, 23.9090, 28.3792



23.5299, 23.9090, 27.1133

Rectangle

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



23.0990, 23.9090, 23.8195



22.3564, 23.9090, 23.8173



22.3546, 23.9090, 28.3792



23.0972, 23.9090, 28.3817

Sweetspot

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



23.0997, 23.9100, 23.8200



42.7636, 44.7435, 47.2591



22.9078, 22.7634, 26.1083



9.7879, 10.2266, 10.7184



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



23.0997, 23.9100, 23.8200



40.1410, 41.4067, 40.5011



23.9444, 25.5995, 24.1016



5.1930, 5.3689, 5.3150



10.9893, 7.7131, 0.9096



0.0869, 0.0791, 0.0107

Inverse Universe

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



22.2996, 23.8101, 28.2317



38.4787, 41.1991, 49.6671



21.4863, 22.1835, 27.9606



5.0010, 5.3449, 6.3739



6.8824, 7.0351, 23.0409



0.0602, 0.0757, 0.1579

Previews

White Background



This preview shows how the XYZ color 23.0990, 23.9090, 23.8195 looks on a white background.

Color Contrast Check

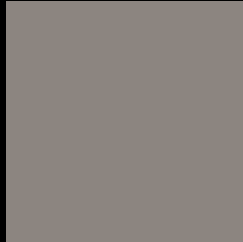
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0990, 23.9090, 23.8195 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

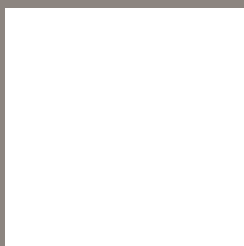
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0990, 23.9090, 23.8195

Background



This preview shows how black text looks on a background with the XYZ color 23.0990, 23.9090, 23.8195.



This preview shows how white text looks on a background with the XYZ color 23.0990, 23.9090,

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

23.0990, 23.9090, 23.8195

Protanopia

22.9026, 24.0120, 23.8498

Deuteranopia

24.3395, 23.9398, 24.1069



Tritanopia

24.0793, 23.9065, 28.5446

Trichromacy



Original Color

23.0990, 23.9090, 23.8195

Protanomaly

23.0688, 24.0977, 23.8575

Deuteranomaly

23.9328, 23.9286, 24.1262

Tritanomaly

23.6797, 23.9428, 26.6659

Monochromacy



Original Color

23.0990, 23.9090, 23.8195

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.0065, 24.0345, 25.2563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0990, 23.9090, 23.8195 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(140, 133, 128)` looks like.

```
.text, #text, p{  
    color:rgb(140, 133, 128)  
}
```

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(140, 133, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 133, 128) }
```

Border

The CSS property to change the border of an element to XYZ 23.0990, 23.9090, 23.8195 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(140, 133, 128) }
```


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

```
.border{ border-color:rgb(140, 133, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 133, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 133, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 133, 128);  
box-shadow:4px 4px 4px 4px rgb(140, 133,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0990, 23.9090, 23.8195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 133, 128) }
```

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

```
.background{ background-color: rgb(140,  
133, 128) }
```

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