

Converting Colors

XYZ(22.2372, 22.9497, 24.3272)

Have a look what the booklet for
XYZ(22.2372, 22.9497, 24.3272)
contains.

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Color

**XYZ(22.2989, 23.0785,
24.3984)**

Conversions

Conversions Part 1

Format	Color
Hex	888382
RGB	136, 131, 130
RGB Percent	53%, 51%, 51%
CMY	0.4667, 0.4863, 0.4902
CMYK	0.00, 0.04, 0.04, 0.47
HSL	10°, 2%, 52%
HSV	10°, 4%, 53%
XYZ	22.2989, 23.0785, 24.3984
YIQ	132.3810, 3.3010, 0.7490

Conversions

Conversions Part 2

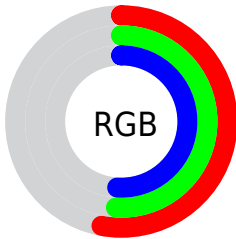
Format	Color
R _Y B	136, 131, 130
Decimal	8946562
CIE Lab	55.15, 1.68, 1.20
CIE LCh	55, 2.068, 35.459
Yxy	23.0785, 0.3196, 0.3308
Android (android.graphics.Color)	4287136642 (0xFF888382)
YUV	132.3810, -1.1738, 3.1739
Hunter-Lab	48.0401, -1.2153, 3.5161

Details

The XYZ color **22.2989, 23.0785, 24.3984** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.3139, 23.8511, 26.7206**, and the grayscale version is **22.0735, 23.2230, 25.2899**.

A 20% lighter version of the original color is **46.6740, 48.5187, 51.7048**, and **8.3402, 8.6071, 9.0063** is the 20% darker color. If you saturate the color by 10%, you get **20.0067, 19.8595, 19.4243**, and if you desaturate by 10%, it is **24.8795, 26.6806, 30.0645**.

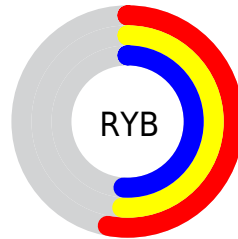
Distribution



Red (53%)

Green (51%)

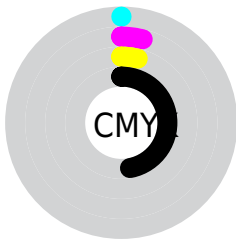
Blue (51%)



Red (53%)

Yellow (51%)

Blue (51%)

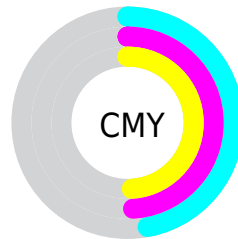


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (47%)



Cyan (47%)

Magenta (49%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2989, 23.0785, 24.3984 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 22.2989, 23.0785, 24.3984 by changing the saturation by 10% instead.

■ 22.2989, 23.0785,
24.3984

■ 22.2989, 23.0785,
24.3984

256.7064,
268.1279, 288.1797

■ 14.1945, 14.6515,
15.4145

■ 46.7147, 48.5222,
51.6315

■ 8.3387, 8.5752,
8.9610

■ 63.7568, 66.3077,
70.7178

■ 4.3660, 4.4651,
4.6193

■ 84.5089, 87.9814,
94.0086

■ 1.9112, 1.9370,
1.9709

109.3364,
113.9278, 121.9225

■ 0.5834, 0.5705,
0.5373

138.6045,
144.5312, 154.8780

■ 0.0000, 0.0000,
0.0000

172.6786,

180.1762, 193.2937

211.9241,
221.2469, 237.5881

■ 22.2989, 23.0785,
24.3984

■ 22.2989, 23.0785,
24.3984

■ 20.0067, 19.8595,
19.4243

■ 24.8795, 26.6806,
30.0645

■ 17.9909, 17.0080,
15.1142

■ 27.7560, 30.6746,
36.4463

■ 16.2415, 14.5117,
11.4405

■ 30.9382, 35.0730,
43.5680

■ 14.7472, 12.3567,
8.3727

■ 34.4348, 39.8868,
51.4523

■ 13.4960, 10.5281,
5.8783

■ 38.2541, 45.1265,
60.1210

■ 12.4746, 9.0097,
3.9214

■ 42.4042, 50.8022,
69.5950

■ 11.6688, 7.7842,
2.4621

■ 46.8927, 56.9238,
79.8943

■ 11.0623, 6.8323,
1.4550

■ 51.7273, 63.5007,
91.0384

■ 10.6357, 6.1321,
0.8413

■ 56.9150, 70.5423,
103.0459

Harmonies

Analogous

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



22.3802, 23.0785, 25.0078



22.2989, 23.0785, 24.3984



22.1203, 23.0785, 23.9900

Triad

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



22.2989, 23.0785, 24.3984



21.5342, 23.0785, 24.6044



21.9777, 23.0785, 26.4152

Complementary

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



22.2989, 23.0785, 24.3984



22.3139, 23.8511, 26.7206

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.



21.7516, 23.0785, 26.3026



22.2989, 23.0785, 24.3984



21.4966, 23.0785, 25.2497

Square

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



22.2989, 23.0785, 24.3984



21.6790, 23.0785, 24.1074



21.5759, 23.0785, 25.8732



22.1939, 23.0785, 26.1781

Rectangle

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



22.2989, 23.0785, 24.3984



21.9706, 23.0785, 23.8827



21.5759, 23.0785, 25.8732



21.9003, 23.0785, 26.4170

Sweetspot

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



22.2995, 23.0795, 24.3989



40.7816, 42.7473, 46.2435



22.5095, 22.9491, 26.1653



9.4516, 9.9097, 10.7250



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



22.2995, 23.0795, 24.3989



39.0001, 40.2554, 42.3477



22.7080, 23.8965, 24.5351



5.3035, 5.4659, 5.7339



9.8996, 5.5336, 0.5463



0.0731, 0.0514, 0.0061

Inverse Universe

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



22.3139, 23.8511, 26.7206



39.0292, 41.8228, 47.0639



21.9015, 23.0263, 26.5831



5.3078, 5.6957, 6.4255



9.8307, 12.9318, 24.0236



0.0741, 0.1034, 0.1625

Previews

White Background



This preview shows how the XYZ color 22.2989, 23.0785, 24.3984 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 22.2989, 23.0785, 24.3984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

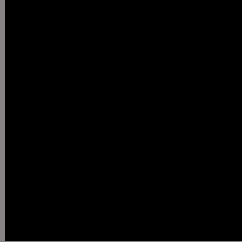
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2989, 23.0785, 24.3984

Background



This preview shows how black text looks on a background with the XYZ color 22.2989, 23.0785, 24.3984.



This preview shows how white text looks on a background with the XYZ color 22.2989, 23.0785,

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

22.2989, 23.0785, 24.3984

Protanopia

22.1372, 22.9952, 24.3909

Deuteranopia

23.4930, 23.0968, 24.6926



Tritanopia

23.0328, 23.1771, 28.0706

Trichromacy



Original Color

22.2989, 23.0785, 24.3984

Protanomaly

22.1372, 22.9952, 24.3909

Deuteranomaly

23.1023, 23.0900, 24.7119

Tritanomaly

22.7431, 23.0612, 26.5451

Monochromacy



Original Color

22.2989, 23.0785, 24.3984

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.0209, 23.1278, 24.7762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2989, 23.0785, 24.3984 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(136, 131, 130)` looks like.

```
.text, #text, p{  
    color:rgb(136, 131, 130)  
}
```

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(136, 131, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 131, 130) }
```

Border

The CSS property to change the border of an element to XYZ 22.2989, 23.0785, 24.3984 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(136, 131, 130) }
```


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

```
.border{ border-color:rgb(136, 131, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 131, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 131, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 131, 130);  
box-shadow:4px 4px 4px 4px rgb(136, 131,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2989, 23.0785, 24.3984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 131, 130) }
```

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

```
.background{ background-color: rgb(136,  
131, 130) }
```

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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