

Converting Colors

XYZ(23.1222, 20.6986, 28.7515)

Have a look what the booklet for
XYZ(23.1222, 20.6986, 28.7515)
contains.

XYZ(23.0574, 20.5849, 28.7446)	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(23.0574, 20.5849,
28.7446)**

Conversions

Conversions Part 1

Format	Color
Hex	92748F
RGB	146, 116, 143
RGB Percent	57%, 45%, 56%
CMY	0.4274, 0.5451, 0.4392
CMYK	0.00, 0.21, 0.02, 0.43
HSL	306°, 12%, 51%
HSV	306°, 21%, 57%
XYZ	23.0574, 20.5849, 28.7446
YIQ	128.0480, 9.2130, 14.7570

Conversions

Conversions Part 2

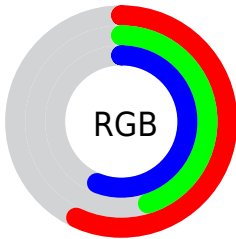
Format	Color
RYB	146, 116, 143
Decimal	9598095
CIELab	52.49, 16.61, -10.21
CIELCh	52, 19.499, 328.423
Yxy	20.5849, 0.3185, 0.2844
Android (android.graphics.Color)	4287788175 (0xFF92748F)
YUV	128.0480, 7.3713, 15.7439
Hunter-Lab	45.3706, 11.3154, -5.8039

Details

The XYZ color **23.0574, 20.5849, 28.7446** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.8120, 25.6034, 21.2990**, and the grayscale version is **20.5079, 21.5759, 23.4962**.

A 20% lighter version of the original color is **47.9001, 44.3158, 58.8525**, and **8.7622, 7.3575, 11.3142** is the 20% darker color. If you saturate the color by 10%, you get **21.3952, 17.4361, 27.6485**, and if you desaturate by 10%, it is **24.9868, 24.2651, 29.9374**.

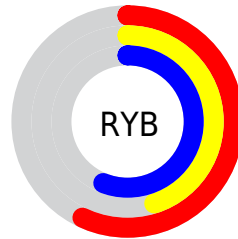
Distribution



Red (57%)

Green (45%)

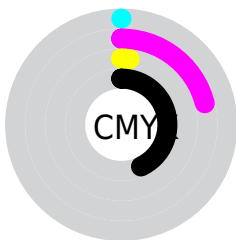
Blue (56%)



Red (57%)

Yellow (45%)

Blue (56%)

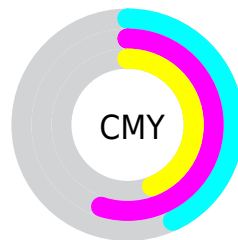


Cyan (0%)

Magenta (21%)

Yellow (2%)

Black (43%)



Cyan (43%)

Magenta (55%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0574, 20.5849, 28.7446 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 23.0574, 20.5849, 28.7446 by changing the saturation by 10% instead.

■ 23.0574, 20.5849,
28.7446

■ 23.0574, 20.5849,
28.7446

260.5495,
255.0642, 310.0311

■ 14.7568, 12.8209,
18.6438

■ 47.9535, 44.3957,
58.7084

■ 8.7341, 7.3053,
11.2390

■ 65.2798, 61.2112,
79.4085

■ 4.6239, 3.6538,
6.1116

■ 86.3453, 81.8128,
104.4787

■ 2.0608, 1.4818,
2.8432

■ 111.5155,
106.5847, 134.3376

■ 0.6678, 0.2759,
1.0151

141.1556,
135.9114, 169.4038

■ 0.0000, 0.0000,
0.0000

175.6311,

170.1773, 210.0957

215.3073,
209.7668, 256.8320

■ 23.0574, 20.5849,
28.7446

■ 23.0574, 20.5849,
28.7446

■ 21.3952, 17.4361,
27.6485

■ 24.9868, 24.2651,
29.9374

■ 19.9861, 14.7914,
26.6435

■ 27.1930, 28.4970,
31.2294

■ 18.8172, 12.6251,
25.7257

■ 29.6875, 33.3032,
32.6246

■ 17.8742, 10.9080,
24.8902

■ 32.4807, 38.7043,
34.1266

■ 17.1408, 9.6081,
24.1316

■ 35.5821, 44.7197,
35.7385

■ 16.5989, 8.6887,
23.4437

■ 39.0012, 51.3680,
37.4636

■ 16.2270, 8.1072,
22.8195

■ 42.7469, 58.6671,
39.3047

■ 15.9780, 7.7606,
22.2700

■ 46.8277, 66.6341,
41.2649

■ 51.2518, 75.2854,
43.3469

Harmonies

Analogous

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



21.4692, 20.5849, 33.6645



23.0574, 20.5849, 28.7446



23.7021, 20.5849, 22.7205

Triad

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



23.0574, 20.5849, 28.7446



19.6722, 20.5849, 13.0460



16.3501, 20.5849, 28.1243

Complementary

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



23.0574, 20.5849, 28.7446



20.8120, 25.6034, 21.2990

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.



15.9403, 20.5849, 22.1092



23.0574, 20.5849, 28.7446



17.7775, 20.5849, 13.9983

Square

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



23.0574, 20.5849, 28.7446



21.6664, 20.5849, 14.2228



16.4449, 20.5849, 17.0877



17.6047, 20.5849, 33.2652

Rectangle

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



23.0574, 20.5849, 28.7446



23.4787, 20.5849, 19.0846



16.4449, 20.5849, 17.0877



16.1129, 20.5849, 26.1085

Sweetspot

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



23.0580, 20.5858, 28.7450



45.7394, 45.9865, 53.7984



19.0423, 18.4890, 29.7598



10.1274, 10.1386, 11.9399



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



23.0580, 20.5858, 28.7450



39.1642, 33.4453, 49.7285



21.9965, 20.1612, 23.1551



6.0106, 5.8993, 7.1618



14.0651, 6.8311, 19.6216



0.1780, 0.0859, 0.2708

Inverse Universe

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



23.0580, 20.5858, 28.7450



39.1642, 33.4453, 49.7285



21.7852, 25.9927, 26.4239



6.0106, 5.8993, 7.1618



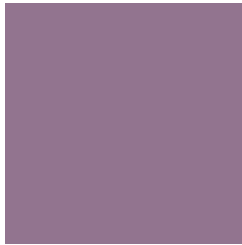
14.0651, 6.8311, 19.6216



0.1780, 0.0859, 0.2708

Previews

White Background



This preview shows how the XYZ color 23.0574, 20.5849, 28.7446 looks on a white background.

Color Contrast Check

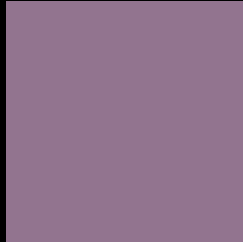
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0574, 20.5849, 28.7446 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 23.0574, 20.5849, 28.7446

Background



This preview shows how black text looks on a background with the XYZ color 23.0574, 20.5849, 28.7446.



This preview shows how white text looks on a background with the XYZ color 23.0574, 20.5849,

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

23.0574, 20.5849, 28.7446

Protanopia

20.5176, 20.6502, 31.3383

Deuteranopia

21.0479, 20.6179, 28.4615



Tritanopia

21.9947, 20.6815, 23.2547

Trichromacy



Original Color

23.0574, 20.5849, 28.7446

Protanomaly

21.3098, 20.5272, 30.4428

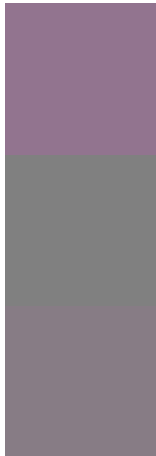
Deuteranomaly

21.7523, 20.6202, 28.4248

Tritanomaly

22.3891, 20.6701, 25.0000

Monochromacy



Original Color

23.0574, 20.5849, 28.7446

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.4330, 21.2597, 25.1642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0574, 20.5849, 28.7446 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(146, 116, 143)` looks like.

```
.text, #text, p{  
    color:rgb(146, 116, 143)  
}
```

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(146, 116, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 116, 143) }
```

Border

The CSS property to change the border of an element to XYZ 23.0574, 20.5849, 28.7446 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(146, 116, 143) }
```


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

```
.border{ border-color:rgb(146, 116, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 116, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 116, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 116, 143); box-shadow:4px 4px 4px 4px rgb(146, 116, 143) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0574, 20.5849, 28.7446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 116, 143) }
```

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

```
.background{ background-color: rgb(146,  
116, 143) }
```

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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