

Converting Colors

XYZ(24.0469, 21.4388, 23.2321)

Have a look what the booklet for
XYZ(24.0469, 21.4388, 23.2321)
contains.

XYZ(23.9679, 21.3490, 23.2796)	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(23.9679, 21.3490,
23.2796)**

Conversions

Conversions Part 1

Format	Color
Hex	9C7580
RGB	156, 117, 128
RGB Percent	61%, 46%, 50%
CMY	0.3882, 0.5412, 0.4980
CMYK	0.00, 0.25, 0.18, 0.39
HSL	343°, 16%, 54%
HSV	343°, 25%, 61%
XYZ	23.9679, 21.3490, 23.2796
YIQ	129.9150, 19.7130, 11.6890

Conversions

Conversions Part 2

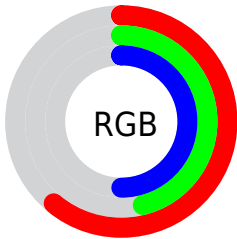
Format	Color
RYB	156, 117, 128
Decimal	10253696
CIELab	53.33, 17.06, -0.06
CIELCh	53, 17.055, 359.803
Yxy	21.3490, 0.3494, 0.3112
Android (android.graphics.Color)	4288443776 (0xFF9C7580)
YUV	129.9150, -0.9441, 22.8765
Hunter-Lab	46.2050, 11.7346, 2.4712

Details

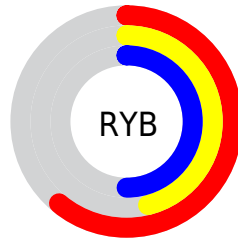
The XYZ color **23.9679, 21.3490, 23.2796** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.3363, 29.6038, 31.2210**, and the grayscale version is **21.1869, 22.2903, 24.2741**.

A 20% lighter version of the original color is **49.3924, 45.5610, 49.9070**, and **9.1873, 7.6418, 8.3879** is the 20% darker color. If you saturate the color by 10%, you get **21.6025, 17.7336, 19.0524**, and if you desaturate by 10%, it is **26.7188, 25.6047, 28.0374**.

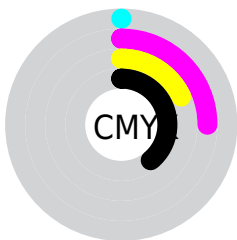
Distribution



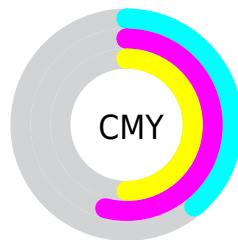
- Red (61%)
- Green (46%)
- Blue (50%)



- Red (61%)
- Yellow (46%)
- Blue (50%)



- Cyan (0%)
- Magenta (25%)
- Yellow (18%)
- Black (39%)



- Cyan (39%)
- Magenta (54%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9679, 21.3490, 23.2796 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 23.9679, 21.3490, 23.2796 by changing the saturation by 10% instead.

■ 23.9679, 21.3490,
23.2796

■ 23.9679, 21.3490,
23.2796

265.1016,
259.1275, 282.3262

■ 15.4344, 13.3793,
14.5929

■ 49.4329, 45.6676,
49.7810

■ 9.2131, 7.6903,
8.3907

■ 67.0951, 62.7854,
68.4328

■ 4.9387, 3.8974,
4.2546

■ 88.5309, 83.7214,
91.2433

■ 2.2457, 1.6163,
1.7660

114.1057,
108.8599, 118.6311

■ 0.7667, 0.3686,
0.4054

144.1848,
138.5854, 151.0148

■ 0.0000, 0.0000,
0.0000

179.1336,

173.2822, 188.8128

219.3174,
213.3348, 232.4438

■ 23.9679, 21.3490,
23.2796

■ 23.9679, 21.3490,
23.2796

■ 21.6025, 17.7336,
19.0524

■ 26.7188, 25.6047,
28.0374

■ 19.6033, 14.7245,
15.3355

■ 29.8699, 30.5268,
33.3424

■ 17.9517, 12.2891,
12.1095

■ 33.4372, 36.1433,
39.2119

■ 16.6268, 10.3904,
9.3528

■ 37.4355, 42.4799,
45.6623

■ 15.6057, 8.9871,
7.0425

■ 41.8787, 49.5609,
52.7092

■ 14.8617, 8.0316,
5.1530

■ 46.7801, 57.4095,
60.3676

■ 14.3622, 7.4642,
3.6557

■ 52.1525, 66.0479,
68.6518

■ 14.1649, 7.2498,
3.0349

■ 58.0080, 75.4973,
77.5760

■ 63.5866, 84.2345,
86.8963

Harmonies

Analogous

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



23.4450, 21.3490, 28.6178



23.9679, 21.3490, 23.2796



23.4581, 21.3490, 18.6424

Triad

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



23.9679, 21.3490, 23.2796



18.6133, 21.3490, 15.6362



18.5938, 21.3490, 32.9495

Complementary

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



23.9679, 21.3490, 23.2796



24.3363, 29.6038, 31.2210

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.



17.4237, 21.3490, 28.5499



23.9679, 21.3490, 23.2796



17.4344, 21.3490, 18.5914

Square

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



23.9679, 21.3490, 23.2796



20.3035, 21.3490, 14.6476



17.0118, 21.3490, 23.2113



20.2797, 21.3490, 34.6826

Rectangle

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



23.9679, 21.3490, 23.2796



22.6175, 21.3490, 16.4434



17.0118, 21.3490, 23.2113



18.1308, 21.3490, 31.7040

Sweetspot

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



23.9685, 21.3500, 23.2800



52.9639, 53.4268, 58.4110



24.0311, 21.1391, 34.2665



11.5858, 11.6489, 12.7382



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.9685, 21.3500, 23.2800



41.0446, 34.9624, 37.8696



24.3127, 23.1346, 20.0148



6.7061, 6.6754, 7.3036



11.6807, 5.9768, 2.5696



0.2256, 0.1136, 0.1339

Inverse Universe

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



23.9685, 21.3500, 23.2800



41.0446, 34.9624, 37.8696



23.8571, 27.2218, 35.4497



6.7061, 6.6754, 7.3036



11.6807, 5.9768, 2.5696



0.2256, 0.1136, 0.1339

Previews

White Background



This preview shows how the XYZ color 23.9679, 21.3490, 23.2796 looks on a white background.

Color Contrast Check

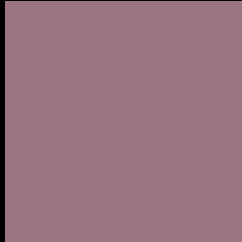
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9679, 21.3490, 23.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

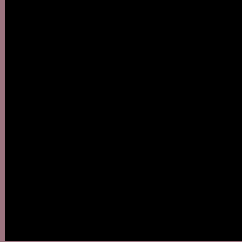
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9679, 21.3490, 23.2796

Background



This preview shows how black text looks on a background with the XYZ color 23.9679, 21.3490, 23.2796.



This preview shows how white text looks on a background with the XYZ color 23.9679, 21.3490,

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

23.9679, 21.3490, 23.2796

Protanopia

20.7945, 21.4892, 25.6061

Deuteranopia

21.8536, 21.5231, 23.0812



Tritanopia

23.8375, 21.2969, 22.5930

Trichromacy



Original Color

23.9679, 21.3490, 23.2796

Protanomaly

21.7290, 21.2351, 24.7833

Deuteranomaly

22.5222, 21.3180, 23.0064

Tritanomaly

23.9024, 21.3228, 22.9346

Monochromacy



Original Color

23.9679, 21.3490, 23.2796

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.9435, 21.7412, 23.8088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9679, 21.3490, 23.2796 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(156, 117, 128)` looks like.

```
.text, #text, p{  
    color:rgb(156, 117, 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(156, 117, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 117, 128) }
```

Border

The CSS property to change the border of an element to XYZ 23.9679, 21.3490, 23.2796 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(156, 117, 128) }
```


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

```
.border{ border-color:rgb(156, 117, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 117, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 117, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 117, 128);  
box-shadow:4px 4px 4px 4px rgb(156, 117,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9679, 21.3490, 23.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 117, 128) }
```

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

```
.background{ background-color: rgb(156,  
117, 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](#).

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