

Converting Colors

XYZ(23.9377, 24.7723, 32.1640)

Have a look what the booklet for
XYZ(23.9377, 24.7723, 32.1640)
contains.

XYZ(23.9820, 24.7969, 32.3764)	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(23.9820, 24.7969,
32.3764)**

Conversions

Conversions Part 1

Format	Color
Hex	858896
RGB	133, 136, 150
RGB Percent	52%, 53%, 59%
CMY	0.4784, 0.4667, 0.4118
CMYK	0.11, 0.09, 0.00, 0.41
HSL	229°, 7%, 55%
HSV	229°, 11%, 59%
XYZ	23.9820, 24.7969, 32.3764
YIQ	136.6990, -6.2820, 3.7180

Conversions

Conversions Part 2

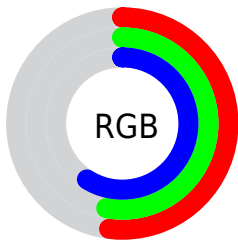
Format	Color
R_{YB}	133, 136, 150
Decimal	8751254
CIE _{Lab}	56.88, 1.83, -7.84
CIE _{LCh}	57, 8.051, 283.105
Yxy	24.7969, 0.2955, 0.3055
Android (android.graphics.Color)	4286941334 (0xFF858896)
YUV	136.6990, 6.5574, -3.2440
Hunter-Lab	49.7965, -1.1782, -3.6913

Details

The XYZ color **23.9820, 24.7969, 32.3764** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.2450, 29.0445, 26.3608**, and the grayscale version is **23.6426, 24.8739, 27.0877**.

A 20% lighter version of the original color is **49.3464, 51.1939, 64.4073**, and **9.1472, 9.3954, 13.1358** is the 20% darker color. If you saturate the color by 10%, you get **20.1406, 20.3820, 31.7271**, and if you desaturate by 10%, it is **28.3636, 29.7891, 33.1095**.

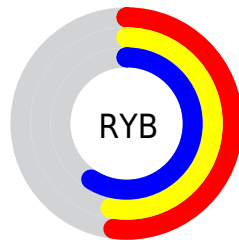
Distribution



Red (52%)

Green (53%)

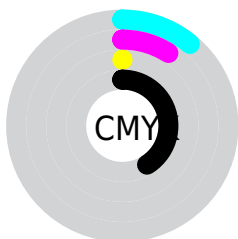
Blue (59%)



Red (52%)

Yellow (53%)

Blue (59%)

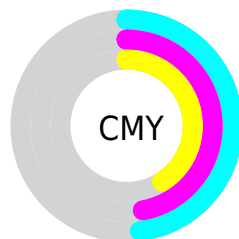


Cyan (11%)

Magenta (9%)

Yellow (0%)

Black (41%)



Cyan (48%)

Magenta (47%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9820, 24.7969, 32.3764 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 23.9820, 24.7969, 32.3764 by changing the saturation by 10% instead.

■ 23.9820, 24.7969,
32.3764

■ 23.9820, 24.7969,
32.3764

265.1716,
276.8250, 327.3757

■ 15.4449, 15.9258,
21.3820

■ 49.4557, 51.3275,
64.5054

■ 9.2206, 9.4717,
13.2095

■ 67.1231, 69.7559,
86.4771

■ 4.9436, 5.0501,
7.4406

■ 88.5646, 92.1388,
112.9450

■ 2.2486, 2.2767,
3.6565

114.1456,
118.8606, 144.3276

■ 0.7682, 0.7613,
1.4389

144.2314,
150.3057, 181.0434

■ 0.0000, 0.0000,
0.1718

179.1875,

■ 0.0000, 0.0000,

186.8585, 223.5110

0.0000

219.3791,
228.9035, 272.1489

■ 23.9820, 24.7969,
32.3764

■ 23.9820, 24.7969,
32.3764

■ 20.1406, 20.3820,
31.7271

■ 28.3636, 29.7891,
33.1095

■ 16.8161, 16.5205,
31.1570

■ 33.3029, 35.3754,
33.9274

■ 13.9869, 13.1912,
30.6635

■ 38.8197, 41.5756,
34.8334

■ 11.6287, 10.3704,
30.2433

■ 44.9318, 48.4079,
35.8300

■ 9.7155, 8.0326,
29.8929

■ 51.6565, 55.8894,
36.9196

■ 8.2185, 6.1499,
29.6084

■ 59.0102, 64.0367,
38.1047

■ 7.1054, 4.6917,
29.3856

■ 67.0087, 72.8660,
39.3873

■ 6.3388, 3.6231,
29.2197

■ 75.6675, 82.3926,
40.7697

■ 5.8855, 2.9629,
29.1162

■ 80.0549, 90.0816,
42.0226

Harmonies

Analogous

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



23.0460, 24.7969, 32.2762



23.9820, 24.7969, 32.3764



24.8289, 24.7969, 30.9688

Triad

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



23.9820, 24.7969, 32.3764



24.9167, 24.7969, 23.6061



21.8769, 24.7969, 25.5193

Complementary

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



23.9820, 24.7969, 32.3764



27.2450, 29.0445, 26.3608

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.



22.3519, 24.7969, 23.3849



23.9820, 24.7969, 32.3764



24.0993, 24.7969, 22.3319

Square

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



23.9820, 24.7969, 32.3764



25.3781, 24.7969, 25.8398



23.1602, 24.7969, 22.2537



21.8474, 24.7969, 28.1936

Rectangle

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



23.9820, 24.7969, 32.3764



25.2221, 24.7969, 29.4160



23.1602, 24.7969, 22.2537



21.9892, 24.7969, 24.7193

Sweetspot

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



23.9827, 24.7979, 32.3770



48.6511, 50.9764, 58.1965



25.8369, 28.9025, 31.7731



10.6465, 11.1433, 12.8746



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.



23.9827, 24.7979, 32.3770



40.2314, 41.3654, 56.7851



24.4377, 24.4134, 32.2788



5.5774, 5.7888, 7.2931



4.8990, 2.4929, 24.1540



0.0754, 0.0615, 0.3008

Inverse Universe

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



25.4097, 25.0371, 26.7872



43.3494, 41.9167, 44.5644



26.7499, 29.4915, 26.4732



5.8401, 5.8311, 6.2644



10.5999, 5.4450, 1.3741



0.1375, 0.0698, 0.0579

Previews

White Background



This preview shows how the XYZ color 23.9820, 24.7969, 32.3764 looks on a white background.

Color Contrast Check

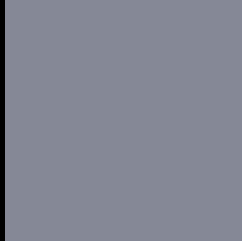
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9820, 24.7969, 32.3764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

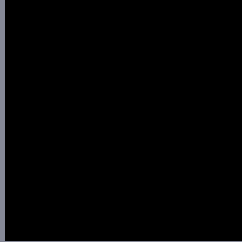
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

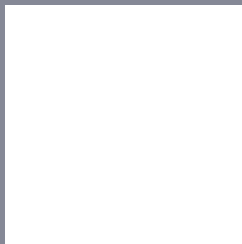
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.9820, 24.7969, 32.3764

Background



This preview shows how black text looks on a background with the XYZ color 23.9820, 24.7969, 32.3764.

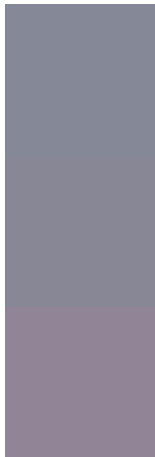


This preview shows how white text looks on a background with the XYZ color 23.9820, 24.7969,

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

23.9820, 24.7969, 32.3764

Protanopia

24.1607, 24.6809, 32.3446

Deuteranopia

25.3011, 24.8491, 32.7410



Tritanopia

23.7435, 24.7014, 31.1202

Trichromacy



Original Color

23.9820, 24.7969, 32.3764

Protanomaly

24.0005, 24.5983, 32.3371

Deuteranomaly

24.7585, 24.7735, 32.7550

Tritanomaly

23.8223, 24.7330, 31.5353

Monochromacy



Original Color

23.9820, 24.7969, 32.3764

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.9815, 25.0786, 29.1679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9820, 24.7969, 32.3764 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(133, 136, 150)` looks like.

```
.text, #text, p{  
    color:rgb(133, 136, 150)  
}
```

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(133, 136, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 136, 150) }
```

Border

The CSS property to change the border of an element to XYZ 23.9820, 24.7969, 32.3764 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(133, 136, 150) }
```


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

```
.border{ border-color:rgb(133, 136, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 136, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 136, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 136, 150);  
box-shadow:4px 4px 4px 4px rgb(133, 136,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9820, 24.7969, 32.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 136, 150) }
```

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

```
.background{ background-color: rgb(133,  
136, 150) }
```

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