

Converting Colors

XYZ(23.1588, 24.6414, 28.2697)

Have a look what the booklet for
XYZ(23.1588, 24.6414, 28.2697)
contains.

XYZ(23.1950, 24.6903, 28.3541)	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(23.1950, 24.6903,
28.3541)**

Conversions

Conversions Part 1

Format	Color
Hex	84898C
RGB	132, 137, 140
RGB Percent	52%, 54%, 55%
CMY	0.4823, 0.4627, 0.4510
CMYK	0.06, 0.02, 0.00, 0.45
HSL	202°, 3%, 53%
HSV	202°, 6%, 55%
XYZ	23.1950, 24.6903, 28.3541
YIQ	135.8470, -3.9430, -0.1270

Conversions

Conversions Part 2

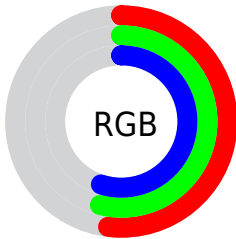
Format	Color
R_{YB}	132, 135, 140
Decimal	8685964
CIE _{Lab}	56.77, -1.22, -2.25
CIE _{LCh}	57, 2.556, 241.536
Yxy	24.6903, 0.3042, 0.3239
Android (android.graphics.Color)	4286876044 (0xFF84898C)
YUV	135.8470, 2.0474, -3.3738
Hunter-Lab	49.6893, -3.6325, 0.9500

Details

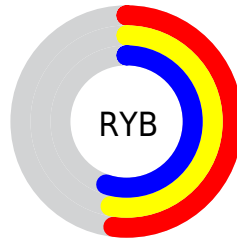
The XYZ color **23.1950, 24.6903, 28.3541** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.6441, 24.5691, 25.3263**, and the grayscale version is **23.3387, 24.5542, 26.7395**.

A 20% lighter version of the original color is **48.1586, 51.0362, 58.3517**, and **8.8209, 9.3936, 11.0211** is the 20% darker color. If you saturate the color by 10%, you get **20.4234, 22.1819, 28.0164**, and if you desaturate by 10%, it is **26.2981, 27.4248, 28.7187**.

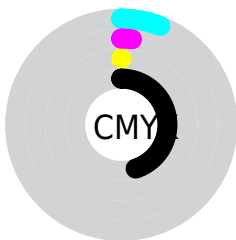
Distribution



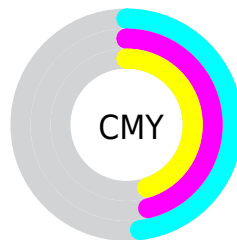
- Red (52%)
- Green (54%)
- Blue (55%)



- Red (52%)
- Yellow (53%)
- Blue (55%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (45%)



- Cyan (48%)
- Magenta (46%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1950, 24.6903, 28.3541 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 23.1950, 24.6903, 28.3541 by changing the saturation by 10% instead.

■ 23.1950, 24.6903,
28.3541

■ 23.1950, 24.6903,
28.3541

261.2416,
276.2921, 308.1201

■ 14.8590, 15.8465,
18.3514

■ 48.1776, 51.1544,
58.0792

■ 8.8062, 9.4156,
11.0305

■ 65.5550, 69.5434,
78.6386

■ 4.6711, 5.0132,
5.9729

■ 86.6769, 91.8829,
103.5541

■ 2.0884, 2.2550,
2.7601

111.9087,
118.5573, 133.2440

■ 0.6829, 0.7497,
0.9735

141.6157,
149.9511, 168.1271

■ 0.0000, 0.0000,
0.0000

176.1633,

186.4485, 208.6218

215.9168,
228.4341, 255.1466

■ 23.1950, 24.6903,
28.3541

■ 23.1950, 24.6903,
28.3541

■ 20.4234, 22.1819,
28.0164

■ 26.2981, 27.4248,
28.7187

■ 17.9691, 19.8894,
27.7032

■ 29.7421, 30.3890,
29.1094

■ 15.8199, 17.8065,
27.4145

■ 33.5385, 33.5902,
29.5272

■ 13.9618, 15.9252,
27.1493

■ 37.6978, 37.0344,
29.9728

■ 12.3801, 14.2371,
26.9068

■ 42.2299, 40.7276,
30.4467

■ 11.0581, 12.7327,
26.6861

■ 47.1444, 44.6753,
30.9497

■ 9.9776, 11.4019,
26.4862

■ 52.4504, 48.8829,
31.4822

■ 9.1176, 10.2329,
26.3059

■ 58.1569, 53.3557,
32.0448

■ 8.4472, 9.2090,
26.1436

■ 63.1594, 57.5249,
32.5858

Harmonies

Analogous

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



22.9818, 24.6903, 27.7522



23.1950, 24.6903, 28.3541



23.4828, 24.6903, 28.5598

Triad

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



23.1950, 24.6903, 28.3541



24.0456, 24.6903, 26.8395



23.1686, 24.6903, 25.5072

Complementary

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



23.1950, 24.6903, 28.3541



23.6441, 24.5691, 25.3263

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.



23.4520, 24.6903, 25.2742



23.1950, 24.6903, 28.3541



23.9598, 24.6903, 26.0332

Square

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



23.1950, 24.6903, 28.3541



23.9754, 24.6903, 27.6743



23.7419, 24.6903, 25.4647



22.9666, 24.6903, 26.1080

Rectangle

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



23.1950, 24.6903, 28.3541



23.6786, 24.6903, 28.4411



23.7419, 24.6903, 25.4647



23.2574, 24.6903, 25.3839

Sweetspot

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



23.1957, 24.6913, 28.3546



42.8343, 45.2546, 50.2204



23.2627, 25.4095, 26.5759



9.8867, 10.4424, 11.5739



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.



23.1957, 24.6913, 28.3546



40.1588, 42.8733, 49.9018



22.6464, 23.5927, 28.1715



5.1358, 5.4848, 6.3938



7.2926, 7.8556, 23.1776



0.0626, 0.0804, 0.1587

Inverse Universe

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



23.5824, 23.8846, 27.0354



41.0063, 41.1208, 47.0065



24.2034, 25.6877, 25.5128



5.2468, 5.2554, 6.0145



11.1678, 5.5772, 8.6539



0.0813, 0.0399, 0.0950

Previews

White Background



This preview shows how the XYZ color 23.1950, 24.6903, 28.3541 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 23.1950, 24.6903, 28.3541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

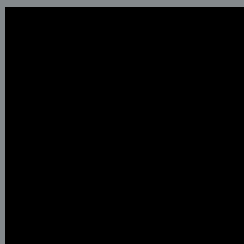
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

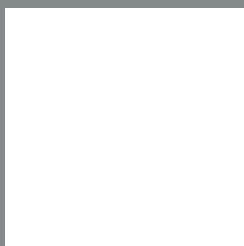
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1950, 24.6903, 28.3541

Background



This preview shows how black text looks on a background with the XYZ color 23.1950, 24.6903, 28.3541.



This preview shows how white text looks on a background with the XYZ color 23.1950, 24.6903,

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

23.1950, 24.6903, 28.3541

Protanopia

23.8054, 24.5953, 27.9188

Deuteranopia

25.0916, 24.6287, 28.6306



Tritanopia

23.7435, 24.7014, 31.1202

Trichromacy



Original Color

23.1950, 24.6903, 28.3541

Protanomaly

23.6177, 24.7066, 27.9502

Deuteranomaly

24.4881, 24.7241, 28.6809

Tritanomaly

23.5111, 24.6085, 29.8963

Monochromacy



Original Color

23.1950, 24.6903, 28.3541

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.3112, 24.5654, 27.1799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1950, 24.6903, 28.3541 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(132, 137, 140)` looks like.

```
.text, #text, p{  
    color:rgb(132, 137, 140)  
}
```

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(132, 137, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 137, 140) }
```

Border

The CSS property to change the border of an element to XYZ 23.1950, 24.6903, 28.3541 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(132, 137, 140) }
```


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

```
.border{ border-color:rgb(132, 137, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 137, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 137, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 137, 140);  
box-shadow:4px 4px 4px 4px rgb(132, 137,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1950, 24.6903, 28.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 137, 140) }
```

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

```
.background{ background-color: rgb(132,  
137, 140) }
```

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