

Converting Colors

XYZ(19.9023, 23.0656, 20.6809)

Have a look what the booklet for
XYZ(19.9023, 23.0656, 20.6809)
contains.

XYZ(19.9614, 23.1924, 20.5640)	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(19.9614, 23.1924,
20.5640)**

Conversions

Conversions Part 1

Format	Color
Hex	788976
RGB	120, 137, 118
RGB Percent	47%, 54%, 46%
CMY	0.5294, 0.4627, 0.5373
CMYK	0.12, 0.00, 0.14, 0.46
HSL	114°, 7%, 50%
HSV	114°, 14%, 54%
XYZ	19.9614, 23.1924, 20.5640
YIQ	129.7510, -4.0330, -9.5130

Conversions

Conversions Part 2

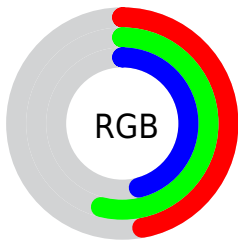
Format	Color
R_{YB}	118, 137, 135
Decimal	7899510
CIE Lab	55.27, -9.99, 8.13
CIE LCh	55, 12.884, 140.870
Yxy	23.1924, 0.3133, 0.3640
Android (android.graphics.Color)	4286089590 (0xFF788976)
YUV	129.7510, -5.7932, -8.5516
Hunter-Lab	48.1585, -10.2902, 8.3937

Details

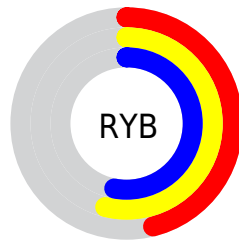
The XYZ color **19.9614, 23.1924, 20.5640** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.9864, 19.9145, 26.4059**, and the grayscale version is **21.1515, 22.2530, 24.2335**.

A 20% lighter version of the original color is **42.6824, 48.4998, 45.1420**, and **7.1122, 8.5982, 7.0791** is the 20% darker color. If you saturate the color by 10%, you get **17.6132, 22.0698, 16.5085**, and if you desaturate by 10%, it is **22.6469, 24.4765, 25.2536**.

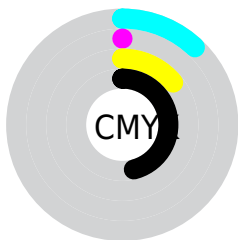
Distribution



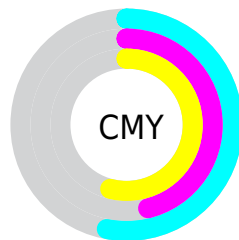
- Red (47%)
- Green (54%)
- Blue (46%)



- Red (46%)
- Yellow (54%)
- Blue (53%)



- Cyan (12%)
- Magenta (0%)
- Yellow (14%)
- Black (46%)



- Cyan (53%)
- Magenta (46%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9614, 23.1924, 20.5640 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 19.9614, 23.1924, 20.5640 by changing the saturation by 10% instead.

■ 19.9614, 23.1924,
20.5640

■ 19.9614, 23.1924,
20.5640

244.5436,
268.7117, 267.6567

■ 12.4751, 14.7356,
12.6175

■ 42.8569, 48.7091,
45.2321

■ 7.1426, 8.6341,
7.0381

■ 58.9968, 66.5377,
62.7908

■ 3.5986, 4.5033,
3.4071

■ 78.7519, 88.2592,
84.3907

■ 1.4776, 1.9589,
1.3061

102.4877,
114.2578, 110.4503

■ 0.3105, 0.5834,
0.0668

130.5693,
144.9179, 141.3882

■ 0.0000, 0.0000,
0.0000

163.3623,

180.6240, 177.6229

201.2320,
221.7605, 219.5729

■ 19.9614, 23.1924,
20.5640

■ 19.9614, 23.1924,
20.5640

■ 17.6132, 22.0698,
16.5085

■ 22.6469, 24.4765,
25.2536

■ 15.5870, 21.0996,
13.0585

■ 25.6802, 25.9250,
30.6013

■ 13.8693, 20.2759,
10.1853


■ 29.0740, 27.5446,
36.6316


■ 12.4450, 19.5917,
7.8576


■ 32.8395, 29.3406,
43.3674


■ 11.2975, 19.0391,
6.0408


■ 36.9875, 31.3181,
50.8305


 10.4086, 18.6097,
4.6965


 41.5284, 33.4820,
59.0419

 9.7579, 18.2939,
3.7808

 46.4723, 35.8370,
68.0214

 9.3215, 18.0805,
3.2398

 51.8287, 38.3877,
77.7885

 9.1338, 17.9890,
2.9908

 57.6070, 41.1385,
88.3616

Harmonies

Analogous

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



21.0703, 23.1924, 18.5338



19.9614, 23.1924, 20.5640



19.4170, 23.1924, 24.0130

Triad

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



19.9614, 23.1924, 20.5640



21.6065, 23.1924, 33.9353



24.7382, 23.1924, 22.5272

Complementary

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



19.9614, 23.1924, 20.5640



20.9864, 19.9145, 26.4059

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.



24.8971, 23.1924, 26.5341



19.9614, 23.1924, 20.5640



23.0466, 23.1924, 33.4258

Square

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



19.9614, 23.1924, 20.5640



20.3392, 23.1924, 31.9291



24.2660, 23.1924, 30.6046



23.8408, 23.1924, 19.5784

Rectangle

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



19.9614, 23.1924, 20.5640



19.4305, 23.1924, 26.7803



24.2660, 23.1924, 30.6046



24.8813, 23.1924, 23.7841

Sweetspot

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



19.9620, 23.1934, 20.5645



40.4428, 43.7774, 45.0266



22.2213, 23.8950, 20.5809



8.9942, 9.7823, 9.9643



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.



19.9620, 23.1934, 20.5645



34.2049, 40.7959, 34.1529



20.1374, 23.2318, 22.9205



5.0176, 5.6318, 5.3750



8.5133, 16.7587, 2.7861



0.0621, 0.1142, 0.0188

Inverse Universe

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



20.9864, 19.9145, 26.4059



36.4485, 33.6124, 46.9500



20.8060, 19.8799, 23.7610



5.1829, 5.1027, 6.3176



11.7652, 5.5793, 22.5025



0.0851, 0.0406, 0.1498

Previews

White Background



This preview shows how the XYZ color 19.9614, 23.1924, 20.5640 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 19.9614, 23.1924, 20.5640 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 19.9614, 23.1924, 20.5640

Background



This preview shows how black text looks on a background with the XYZ color 19.9614, 23.1924, 20.5640.



This preview shows how white text looks on a background with the XYZ color 19.9614, 23.1924,

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

19.9614, 23.1924, 20.5640

Protanopia

21.8270, 23.1436, 19.5364

Deuteranopia

23.3740, 22.9244, 20.9622



Tritanopia

21.7338, 23.0738, 29.6937

Trichromacy



Original Color

19.9614, 23.1924, 20.5640

Protanomaly

21.0376, 23.1364, 19.8800

Deuteranomaly

21.9273, 22.9678, 20.7303

Tritanomaly

21.0667, 23.0104, 26.2528

Monochromacy



Original Color

19.9614, 23.1924, 20.5640

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.7576, 22.7170, 23.0294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9614, 23.1924, 20.5640 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(120, 137, 118)` looks like.

```
.text, #text, p{  
    color:rgb(120, 137, 118)  
}
```

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(120, 137, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 137, 118) }
```

Border

The CSS property to change the border of an element to XYZ 19.9614, 23.1924, 20.5640 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(120, 137, 118) }
```


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

```
.border{ border-color:rgb(120, 137, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 137, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 137, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 137, 118); box-shadow:4px 4px 4px 4px rgb(120, 137, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9614, 23.1924, 20.5640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 137, 118) }
```

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

```
.background{ background-color: rgb(120,  
137, 118) }
```

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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