

Converting Colors

XYZ(23.6808, 24.9702, 19.6777)

Have a look what the booklet for
XYZ(23.6808, 24.9702, 19.6777)
contains.

XYZ(23.7527, 24.9571, 19.7850)	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(23.7527, 24.9571,
19.7850)**

Conversions

Conversions Part 1

Format	Color
Hex	928873
RGB	146, 136, 115
RGB Percent	57%, 53%, 45%
CMY	0.4275, 0.4667, 0.5490
CMYK	0.00, 0.07, 0.21, 0.43
HSL	41°, 12%, 51%
HSV	41°, 21%, 57%
XYZ	23.7527, 24.9571, 19.7850
YIQ	136.5960, 12.7010, -4.4110

Conversions

Conversions Part 2

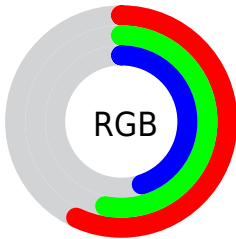
Format	Color
R_{YB}	130, 146, 115
Decimal	9603187
CIE _{Lab}	57.03, 0.14, 12.64
CIE _{LCh}	57, 12.640, 89.364
Yxy	24.9571, 0.3468, 0.3644
Android (android.graphics.Color)	4287793267 (0xFF928873)
YUV	136.5960, -10.6468, 8.2473
Hunter-Lab	49.9571, -2.5549, 11.4887

Details

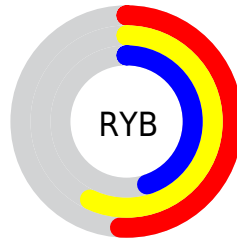
The XYZ color **23.7527, 24.9571, 19.7850** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.5920, 20.3869, 30.0966**, and the grayscale version is **23.6615, 24.8937, 27.1093**.

A 20% lighter version of the original color is **48.9921, 51.4646, 43.9107**, and **9.0602, 9.4937, 6.6651** is the 20% darker color. If you saturate the color by 10%, you get **22.3299, 23.3510, 15.4890**, and if you desaturate by 10%, it is **25.3391, 26.6769, 24.7927**.

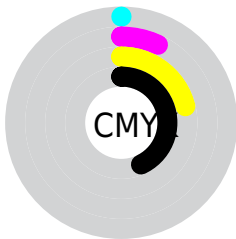
Distribution



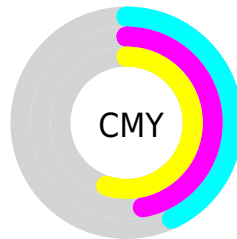
- Red (57%)
- Green (53%)
- Blue (45%)



- Red (51%)
- Yellow (57%)
- Blue (45%)



- Cyan (0%)
- Magenta (7%)
- Yellow (21%)
- Black (43%)



- Cyan (43%)
- Magenta (47%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7527, 24.9571, 19.7850 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 23.7527, 24.9571, 19.7850 by changing the saturation by 10% instead.

■ 23.7527, 24.9571,
19.7850

■ 23.7527, 24.9571,
19.7850

264.0316,
277.6242, 263.3144

■ 15.2740, 16.0451,
12.0563

■ 49.0840, 51.5876,
43.9106

■ 9.0995, 9.5561,
6.6590

■ 66.6672, 70.0749,
61.1447

■ 4.8638, 5.1056,
3.1746

■ 88.0161, 92.5228,
82.3843

■ 2.2015, 2.3094,
1.1845

113.4959,
119.3156, 108.0480

■ 0.7435, 0.7787,
0.0000

143.4720,
150.8377, 138.5543

■ 0.0000, 0.0000,
0.0000

178.3097,

187.4736, 174.3218

218.3745,
229.6077, 215.7690

■ 23.7527, 24.9571,
19.7850

■ 23.7527, 24.9571,
19.7850

■ 22.3299, 23.3510,
15.4890

■ 25.3391, 26.6769,
24.7927

■ 21.0620, 21.8521,
11.8700

■ 27.0932, 28.5102,
30.5414

■ 19.9426, 20.4580,
8.8929

■ 29.0217, 30.4610,
37.0605

■ 18.9639, 19.1650,
6.5186

■ 31.1299, 32.5320,
44.3777

■ 18.1174, 17.9690,
4.7041

■ 33.4233, 34.7259,
52.5189

■ 17.3933, 16.8655,
3.4001

■ 35.9068, 37.0453,
61.5091

■ 16.7804, 15.8493,
2.5489

■ 38.5854, 39.4926,
71.3722

■ 16.3082, 15.0193,
2.0395

■ 41.4635, 42.0703,
82.1311

■ 44.5459, 44.7806,
93.8079

Harmonies

Analogous

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



25.2071, 24.9571, 20.7235



23.7527, 24.9571, 19.7850



22.3472, 24.9571, 20.6478

Triad

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



23.7527, 24.9571, 19.7850



21.3168, 24.9571, 31.3876



26.2655, 24.9571, 31.5611

Complementary

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



23.7527, 24.9571, 19.7850



19.5920, 20.3869, 30.0966

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.



25.1499, 24.9571, 34.9482



23.7527, 24.9571, 19.7850



22.2945, 24.9571, 34.8409

Square

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



23.7527, 24.9571, 19.7850



20.9769, 24.9571, 27.0833



23.6893, 24.9571, 36.2058



26.6945, 24.9571, 27.2650

Rectangle

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



23.7527, 24.9571, 19.7850



21.6180, 24.9571, 22.1854



23.6893, 24.9571, 36.2058



25.9561, 24.9571, 32.8595

Sweetspot

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



23.7534, 24.9582, 19.7855



46.2447, 48.6883, 48.7532



21.7080, 19.8620, 22.2038



10.2492, 10.7911, 10.7200



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.



23.7534, 24.9582, 19.7855



40.7960, 42.7936, 31.5144



24.3297, 27.4438, 20.2349



6.1094, 6.4325, 6.1601



14.3720, 13.2583, 1.8016



0.2027, 0.2158, 0.0310

Inverse Universe

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



19.5920, 20.3869, 30.0966



32.2394, 33.3953, 52.7203



19.0882, 18.3422, 29.7285



5.6431, 5.9202, 7.3150



5.4816, 3.6580, 24.3482



0.0916, 0.0938, 0.3062

Previews

White Background



This preview shows how the XYZ color 23.7527, 24.9571, 19.7850 looks on a white background.

Color Contrast Check

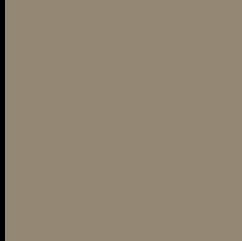
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7527, 24.9571, 19.7850 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

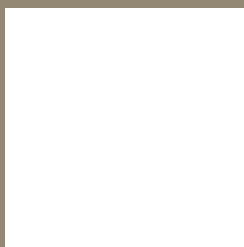
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7527, 24.9571, 19.7850

Background



This preview shows how black text looks on a background with the XYZ color 23.7527, 24.9571, 19.7850.



This preview shows how white text looks on a background with the XYZ color 23.7527, 24.9571,

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

23.7527, 24.9571, 19.7850

Protanopia

23.5418, 25.0584, 19.8156

Deuteranopia

25.5042, 25.0326, 20.0106



Tritanopia

25.5282, 24.8451, 29.0413

Trichromacy



Original Color

23.7527, 24.9571, 19.7850

Protanomaly

23.7172, 25.1489, 19.8238

Deuteranomaly

24.8663, 24.9060, 20.0197

Tritanomaly

24.7651, 24.7369, 25.2992

Monochromacy



Original Color

23.7527, 24.9571, 19.7850

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.7233, 25.0517, 24.3540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7527, 24.9571, 19.7850 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, 136, 115)` looks like.

```
.text, #text, p{  
    color:rgb(146, 136, 115)  
}
```

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, 136, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 136, 115) }
```

Border

The CSS property to change the border of an element to XYZ 23.7527, 24.9571, 19.7850 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, 136, 115) }
```


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

```
.border{ border-color:rgb(146, 136, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 136, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 136, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 136, 115);  
box-shadow:4px 4px 4px 4px rgb(146, 136,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7527, 24.9571, 19.7850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 136, 115) }
```

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

```
.background{ background-color: rgb(146,  
136, 115) }
```

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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