

Converting Colors

XYZ(20.5534, 23.9371, 20.0600)

Have a look what the booklet for
XYZ(20.5534, 23.9371, 20.0600)
contains.

XYZ(20.5534, 23.9371, 20.0600)	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(20.5534, 23.9371,
20.0600)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8B74
RGB	123, 139, 116
RGB Percent	48%, 55%, 45%
CMY	0.5176, 0.4549, 0.5451
CMYK	0.12, 0.00, 0.17, 0.45
HSL	102°, 9%, 50%
HSV	102°, 17%, 55%
XYZ	20.5534, 23.9371, 20.0600
YIQ	131.5940, -2.1530, -10.5450

Conversions

Conversions Part 2

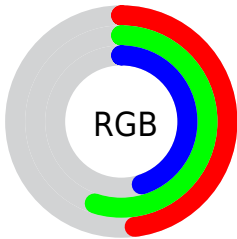
Format	Color
R_{YB}	116, 139, 132
Decimal	8096628
CIE _{Lab}	56.02, -10.34, 10.38
CIE _{LCh}	56, 14.648, 134.891
Yxy	23.9371, 0.3184, 0.3708
Android (android.graphics.Color)	4286286708 (0xFF7B8B74)
YUV	131.5940, -7.6878, -7.5369
Hunter-Lab	48.9256, -10.6327, 9.9384

Details

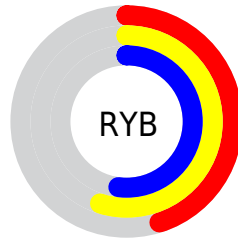
The XYZ color **20.5534, 23.9371, 20.0600** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.4221, 19.2610, 27.0686**, and the grayscale version is **21.8139, 22.9499, 24.9924**.

A 20% lighter version of the original color is **44.0423, 50.1972, 44.4135**, and **7.4398, 9.0180, 6.8174** is the 20% darker color. If you saturate the color by 10%, you get **18.4891, 22.9601, 16.0539**, and if you desaturate by 10%, it is **22.8767, 25.0350, 24.7109**.

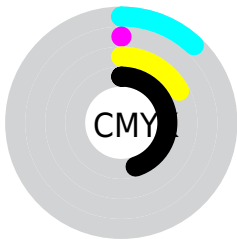
Distribution



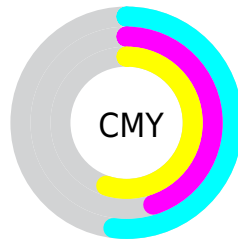
- Red (48%)
- Green (55%)
- Blue (45%)



- Red (45%)
- Yellow (55%)
- Blue (52%)



- Cyan (12%)
- Magenta (0%)
- Yellow (17%)
- Black (45%)



- Cyan (52%)
- Magenta (45%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5534, 23.9371, 20.0600 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 20.5534, 23.9371, 20.0600 by changing the saturation by 10% instead.

■ 20.5534, 23.9371,
20.0600

■ 20.5534, 23.9371,
20.0600

247.6723,
272.5023, 264.8547

■ 12.9085, 15.2870,
12.2542

■ 43.8400, 49.9275,
44.3780

■ 7.4422, 9.0210,
6.7924

■ 60.2124, 68.0366,
61.7273

■ 3.7889, 4.7549,
3.2561

■ 80.2247, 90.0675,
83.0948

■ 1.5834, 2.1042,
1.2269

104.2423,
116.4045, 108.8991

■ 0.3816, 0.6670,
0.0007

132.6305,
147.4322, 139.5587

■ 0.0000, 0.0000,
0.0000

165.7547,

183.5347, 175.4921

203.9802,
225.0967, 217.1180

■ 20.5534, 23.9371,
20.0600

■ 20.5534, 23.9371,
20.0600

■ 18.4891, 22.9601,
16.0539

■ 22.8767, 25.0350,
24.7109

■ 16.6725, 22.0968,
12.6625

■ 25.4659, 26.2547,
30.0316

■ 15.0944, 21.3438,
9.8559

■ 28.3300, 27.6010,
36.0478

■ 13.7442, 20.6963,
7.6010

■ 31.4770, 29.0775,
42.7832

■ 12.6105, 20.1491,
5.8612

■ 34.9145, 30.6876,
50.2607

■ 11.6807, 19.6968,
4.5958

■ 38.6499, 32.4348,
58.5019

■ 10.9407, 19.3331,
3.7577

■ 42.6902, 34.3221,
67.5275

■ 10.3699, 19.0492,
3.2681

■ 47.0425, 36.3527,
77.3577

■ 10.2003, 18.9648,
3.1230

■ 51.7132, 38.5295,
88.0117

Harmonies

Analogous

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



21.9339, 23.9371, 18.1273



20.5534, 23.9371, 20.0600



19.7818, 23.9371, 23.7325

Triad

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



20.5534, 23.9371, 20.0600



21.9223, 23.9371, 36.0206



26.0080, 23.9371, 23.7643

Complementary

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



20.5534, 23.9371, 20.0600



20.4221, 19.2610, 27.0686

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.



26.0045, 23.9371, 28.5422



20.5534, 23.9371, 20.0600



23.5892, 23.9371, 36.0318

Square

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



20.5534, 23.9371, 20.0600



20.5453, 23.9371, 33.1300



25.1010, 23.9371, 33.1590



25.1102, 23.9371, 20.0808

Rectangle

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



20.5534, 23.9371, 20.0600



19.6912, 23.9371, 26.8578



25.1010, 23.9371, 33.1590



26.1135, 23.9371, 25.2849

Sweetspot

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



20.5540, 23.9381, 20.0605



41.6039, 45.1319, 45.5470



22.0136, 23.1766, 19.8366



9.5228, 10.3694, 10.3655



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.



20.5540, 23.9381, 20.0605



35.3157, 42.1614, 33.0001



19.8391, 23.5406, 21.3369



5.1057, 5.6772, 5.3791



9.2217, 17.1240, 2.8192



0.0748, 0.1207, 0.0194

Inverse Universe

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



20.4221, 19.2610, 27.0686



35.0307, 32.0896, 48.0906



21.2516, 19.7235, 25.5297



5.0882, 5.0539, 6.3132



8.6443, 3.9704, 22.3564



0.0724, 0.0341, 0.1492

Previews

White Background



This preview shows how the XYZ color 20.5534, 23.9371, 20.0600 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 20.5534, 23.9371, 20.0600 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

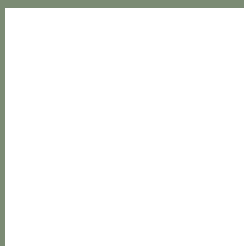
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5534, 23.9371, 20.0600

Background



This preview shows how black text looks on a background with the XYZ color 20.5534, 23.9371, 20.0600.



This preview shows how white text looks on a background with the XYZ color 20.5534, 23.9371,

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

20.5534, 23.9371, 20.0600

Protanopia

22.4902, 23.9052, 19.0516

Deuteranopia

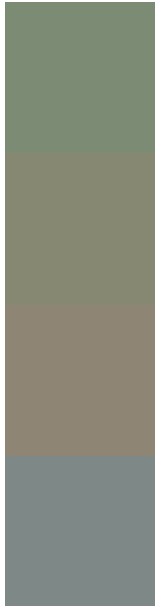
24.2571, 23.7808, 20.4512



Tritanopia

22.7544, 23.9925, 30.6259

Trichromacy



Original Color

20.5534, 23.9371, 20.0600

Protanomaly

21.6729, 23.8916, 19.3888

Deuteranomaly

22.7537, 23.8102, 20.2262

Tritanomaly

21.7815, 23.7932, 26.3662

Monochromacy



Original Color

20.5534, 23.9371, 20.0600

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.4831, 23.5014, 23.1426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5534, 23.9371, 20.0600 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(123, 139, 116)` looks like.

```
.text, #text, p{  
    color:rgb(123, 139, 116)  
}
```

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(123, 139, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 139, 116) }
```

Border

The CSS property to change the border of an element to XYZ 20.5534, 23.9371, 20.0600 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(123, 139, 116) }
```


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

```
.border{ border-color:rgb(123, 139, 116) }
```

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

Here you see how a box with a 4 pixel rgb(123, 139, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 139, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 139, 116);  
box-shadow:4px 4px 4px 4px rgb(123, 139,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5534, 23.9371, 20.0600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 139, 116) }
```

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

```
.background{ background-color: rgb(123,  
139, 116) }
```

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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