

Converting Colors

XYZ(21.0953, 23.1789, 15.8454)

Have a look what the booklet for
XYZ(21.0953, 23.1789, 15.8454)
contains.

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Color

**XYZ(21.2399, 23.3279,
15.9536)**

Conversions

Conversions Part 1

Format	Color
Hex	898666
RGB	137, 134, 102
RGB Percent	54%, 53%, 40%
CMY	0.4627, 0.4745, 0.6000
CMYK	0.00, 0.02, 0.26, 0.46
HSL	55°, 15%, 47%
HSV	55°, 26%, 54%
XYZ	21.2399, 23.3279, 15.9536
YIQ	131.2490, 12.0600, -9.3160

Conversions

Conversions Part 2

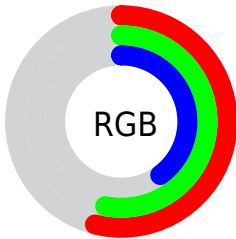
Format	Color
R_{YB}	105, 137, 102
Decimal	9012838
CIE _{Lab}	55.41, -4.38, 17.68
CIE _{LCh}	55, 18.214, 103.905
Yxy	23.3279, 0.3509, 0.3854
Android (android.graphics.Color)	4287202918 (0xFF898666)
YUV	131.2490, -14.4198, 5.0436
Hunter-Lab	48.2990, -6.0262, 14.2252

Details

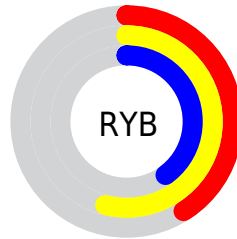
The XYZ color **21.2399, 23.3279, 15.9536** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.0463, 14.7336, 25.7178**, and the grayscale version is **21.7099, 22.8405, 24.8733**.

A 20% lighter version of the original color is **45.0060, 48.9169, 37.2068**, and **7.8686, 8.7991, 4.8981** is the 20% darker color. If you saturate the color by 10%, you get **20.4549, 22.7567, 12.6124**, and if you desaturate by 10%, it is **22.1402, 23.9497, 19.8878**.

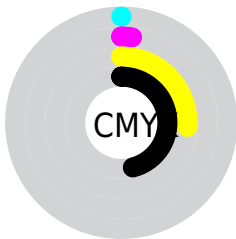
Distribution



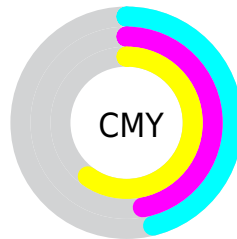
- Red (54%)
- Green (53%)
- Blue (40%)



- Red (41%)
- Yellow (54%)
- Blue (40%)



- Cyan (0%)
- Magenta (2%)
- Yellow (26%)
- Black (46%)



- Cyan (46%)
- Magenta (47%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2399, 23.3279, 15.9536 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 21.2399, 23.3279, 15.9536 by changing the saturation by 10% instead.

■ 21.2399, 23.3279,
15.9536

■ 21.2399, 23.3279,
15.9536

251.2583,
269.4047, 240.9041

■ 13.4129, 14.8358,
9.3373

■ 44.9747, 48.9312,
37.2833

■ 7.7925, 8.7042,
4.8620

■ 61.6133, 66.8112,
52.8338

■ 4.0131, 4.5488,
2.1092

■ 81.9198, 88.5892,
72.1995

■ 1.7096, 1.9850,
0.6213

■ 106.2595,
114.6498, 95.7988

■ 0.4622, 0.5988,
0.0000

134.9979,
145.3772, 124.0505

■ 0.0000, 0.0000,
0.0000

168.5003,

181.1559, 157.3728

207.1320,
222.3703, 196.1846

■ 21.2399, 23.3279,
15.9536

■ 21.2399, 23.3279,
15.9536

■ 20.4549, 22.7567,
12.6124

■ 22.1402, 23.9497,
19.8878

■ 19.7779, 22.2308,
9.8338

■ 23.1592, 24.6210,
24.4407

■ 19.2035, 21.7488,
7.5867

■ 24.3023, 25.3449,
29.6380

■ 18.7251, 21.3081,
5.8366

■ 25.5740, 26.1231,
35.5037

■ 18.3355, 20.9057,
4.5447

■ 26.9786, 26.9574,
42.0606

■ 18.0261, 20.5382,
3.6668

■ 28.5204, 27.8495,
49.3303

■ 17.7844, 20.2007,
3.1370

■ 30.2031, 28.8009,
57.3336

■ 17.6845, 20.0543,
2.9388

■ 32.0307, 29.8131,
66.0902

■ 34.0066, 30.8877,
75.6194

Harmonies

Analogous

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



23.2817, 23.3279, 16.0355



21.2399, 23.3279, 15.9536



19.5533, 23.3279, 18.1130

Triad

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



21.2399, 23.3279, 15.9536



19.4557, 23.3279, 34.0471



26.1735, 23.3279, 28.6552

Complementary

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



21.2399, 23.3279, 15.9536



15.0463, 14.7336, 25.7178

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.



25.0157, 23.3279, 34.4187



21.2399, 23.3279, 15.9536



21.0991, 23.3279, 37.8439

Square

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



21.2399, 23.3279, 15.9536



18.5669, 23.3279, 28.2067



23.1319, 23.3279, 37.9895



26.2170, 23.3279, 22.7861

Rectangle

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



21.2399, 23.3279, 15.9536



18.8220, 23.3279, 20.7573



23.1319, 23.3279, 37.9895



25.8987, 23.3279, 30.6883

Sweetspot

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



21.2405, 23.3289, 15.9541



40.9728, 43.7665, 41.5145



17.6437, 15.8516, 15.6297



9.1336, 9.7797, 9.0588



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.



21.2405, 23.3289, 15.9541



37.1507, 41.1388, 24.7756



19.5125, 23.0617, 15.9936



5.3951, 5.7730, 5.3823



16.4773, 18.6890, 2.7389



0.1145, 0.1341, 0.0199

Inverse Universe

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



15.0463, 14.7336, 25.7178



23.9847, 22.8705, 45.5335



16.4694, 15.0222, 25.6985



4.8069, 4.9567, 6.3092



4.3298, 1.9299, 22.1900



0.0327, 0.0207, 0.1487

Previews

White Background



This preview shows how the XYZ color 21.2399, 23.3279, 15.9536 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 21.2399, 23.3279, 15.9536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

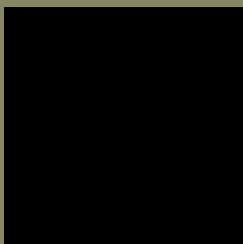
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2399, 23.3279, 15.9536

Background



This preview shows how black text looks on a background with the XYZ color 21.2399, 23.3279, 15.9536.



This preview shows how white text looks on a background with the XYZ color 21.2399, 23.3279,

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

21.2399, 23.3279, 15.9536

Protanopia

21.7556, 23.1929, 15.6420

Deuteranopia

23.5551, 23.1266, 16.0544



Tritanopia

23.6658, 23.3154, 27.6791

Trichromacy



Original Color

21.2399, 23.3279, 15.9536

Protanomaly

21.5517, 23.2901, 15.6715

Deuteranomaly

22.6436, 23.2404, 16.1244

Tritanomaly

22.6974, 23.3144, 23.0425

Monochromacy



Original Color

21.2399, 23.3279, 15.9536

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.3143, 22.8451, 21.0555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2399, 23.3279, 15.9536 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(137, 134, 102)` looks like.

```
.text, #text, p{  
    color:rgb(137, 134, 102)  
}
```

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(137, 134, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 134, 102) }
```

Border

The CSS property to change the border of an element to XYZ 21.2399, 23.3279, 15.9536 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(137, 134, 102) }
```


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

```
.border{ border-color:rgb(137, 134, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 134, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 134, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 134, 102);  
box-shadow:4px 4px 4px 4px rgb(137, 134,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2399, 23.3279, 15.9536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 134, 102) }
```

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

```
.background{ background-color: rgb(137,  
134, 102) }
```

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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