

Converting Colors

XYZ(20.4339, 23.5689, 22.5746)

Have a look what the booklet for
XYZ(20.4339, 23.5689, 22.5746)
contains.

XYZ(20.4723, 23.6253, 22.5499)	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(20.4723, 23.6253,
22.5499)**

Conversions

Conversions Part 1

Format	Color
Hex	788A7C
RGB	120, 138, 124
RGB Percent	47%, 54%, 49%
CMY	0.5294, 0.4588, 0.5137
CMYK	0.13, 0.00, 0.10, 0.46
HSL	133°, 7%, 51%
HSV	133°, 13%, 54%
XYZ	20.4723, 23.6253, 22.5499
YIQ	131.0220, -6.2340, -8.1700

Conversions

Conversions Part 2

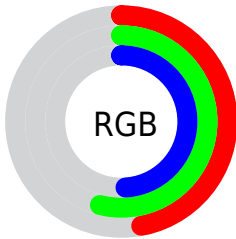
Format	Color
R_{YB}	120, 135, 138
Decimal	7899772
CIE Lab	55.71, -9.38, 5.31
CIE LCh	56, 10.778, 150.485
Yxy	23.6253, 0.3072, 0.3545
Android (android.graphics.Color)	4286089852 (0xFF788A7C)
YUV	131.0220, -3.4618, -9.6663
Hunter-Lab	48.6059, -9.8779, 6.5175

Details

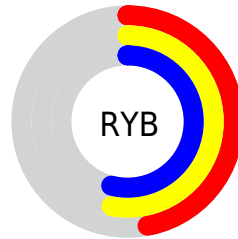
The XYZ color **20.4723, 23.6253, 22.5499** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.5016, 20.5580, 25.3902**, and the grayscale version is **21.5954, 22.7200, 24.7421**.

A 20% lighter version of the original color is **43.4805, 49.1668, 48.2728**, and **7.3583, 8.8270, 7.9726** is the 20% darker color. If you saturate the color by 10%, you get **18.0524, 22.4527, 19.0841**, and if you desaturate by 10%, it is **23.2433, 24.9717, 26.4189**.

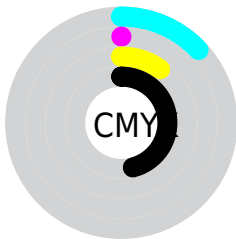
Distribution



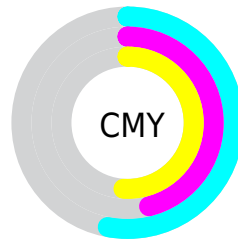
- Red (47%)
- Green (54%)
- Blue (49%)



- Red (47%)
- Yellow (53%)
- Blue (54%)



- Cyan (13%)
- Magenta (0%)
- Yellow (10%)
- Black (46%)



- Cyan (53%)
- Magenta (46%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4723, 23.6253, 22.5499 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 20.4723, 23.6253, 22.5499 by changing the saturation by 10% instead.

■ 20.4723, 23.6253,
22.5499

■ 20.4723, 23.6253,
22.5499

247.2457,
270.9206, 278.4513

■ 12.8491, 15.0559,
14.0593

■ 43.7056, 49.4180,
48.5670

■ 7.4010, 8.8586,
8.0227

■ 60.0463, 67.4102,
66.9306

■ 3.7627, 4.6491,
4.0215

■ 80.0236, 89.3120,
89.4223

■ 1.5688, 2.0429,
1.6372

104.0028,
115.5080, 116.4607

■ 0.3719, 0.6322,
0.3171

132.3492,
146.3824, 148.4642

■ 0.0000, 0.0000,
0.0000

165.4283,

182.3197, 185.8515

203.6054,
223.7043, 229.0410

■ 20.4723, 23.6253,
22.5499

■ 20.4723, 23.6253,
22.5499

■ 18.0524, 22.4527,
19.0841

■ 23.2433, 24.9717,
26.4189

■ 15.9675, 21.4438,
16.0070

■ 26.3768, 26.4955,
30.7019

■ 14.2032, 20.5923,
13.3054

■ 29.8859, 28.2040,
35.4112

■ 12.7433, 19.8900,
10.9650

■ 33.7827, 30.1029,
40.5583

■ 11.5702, 19.3281,
8.9703

■ 38.0786, 32.1982,
46.1540

■ 10.6641, 18.8969,
7.3049

■ 42.7846, 34.4950,
52.2089

■ 10.0030, 18.5854,
5.9509

■ 47.9112, 36.9988,
58.7331

■ 9.5611, 18.3806,
4.8887

■ 53.4686, 39.7145,
65.7366

■ 9.3319, 18.2751,
4.3089

■ 59.4666, 42.6469,
73.2289

Harmonies

Analogous

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



21.2844, 23.6253, 20.3510



20.4723, 23.6253, 22.5499



20.1871, 23.6253, 25.7810

Triad

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



20.4723, 23.6253, 22.5499



22.4750, 23.6253, 33.0548



24.5409, 23.6253, 22.4596

Complementary

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



20.4723, 23.6253, 22.5499



21.5016, 20.5580, 25.3902

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.



24.8870, 23.6253, 25.6670



20.4723, 23.6253, 22.5499



23.6681, 23.6253, 31.9680

Square

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



20.4723, 23.6253, 22.5499



21.3176, 23.6253, 32.0339



24.5620, 23.6253, 29.1827



23.6324, 23.6253, 20.3023

Rectangle

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



20.4723, 23.6253, 22.5499



20.3257, 23.6253, 28.1509



24.5620, 23.6253, 29.1827



24.7283, 23.6253, 23.4406

Sweetspot

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



20.4730, 23.6263, 22.5504



40.4308, 43.7536, 45.8224



22.3271, 24.6108, 21.3431



8.9911, 9.7761, 10.1706



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.



20.4730, 23.6263, 22.5504



34.6117, 40.9285, 37.6554



21.0617, 23.8618, 25.6508



5.0144, 5.6253, 5.5970



8.5604, 16.7568, 3.9759



0.0616, 0.1132, 0.0511

Inverse Universe

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



21.5016, 20.5580, 25.3902



36.8330, 34.3023, 43.7869



20.9065, 20.3200, 22.2563



5.1871, 5.1103, 6.0737



12.0648, 5.9360, 13.3776



0.0856, 0.0416, 0.1174

Previews

White Background



This preview shows how the XYZ color 20.4723, 23.6253, 22.5499 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 20.4723, 23.6253, 22.5499 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

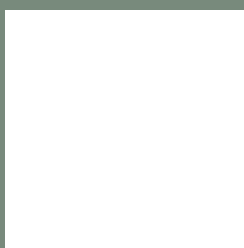
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4723, 23.6253, 22.5499

Background



This preview shows how black text looks on a background with the XYZ color 20.4723, 23.6253, 22.5499.



This preview shows how white text looks on a background with the XYZ color 20.4723, 23.6253,

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

20.4723, 23.6253, 22.5499

Protanopia

22.3200, 23.5588, 21.4601

Deuteranopia

24.0106, 23.5964, 23.0277



Tritanopia

22.1645, 23.6884, 30.5982

Trichromacy



Original Color

20.4723, 23.6253, 22.5499

Protanomaly

21.5369, 23.5584, 21.8245

Deuteranomaly

22.4342, 23.3865, 22.7337

Tritanomaly

21.5600, 23.6543, 27.4742

Monochromacy



Original Color

20.4723, 23.6253, 22.5499

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.1738, 23.1207, 23.7688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4723, 23.6253, 22.5499 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, 138, 124)` looks like.

```
.text, #text, p{  
    color:rgb(120, 138, 124)  
}
```

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, 138, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 138, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.4723, 23.6253, 22.5499 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, 138, 124) }
```


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

```
.border{ border-color:rgb(120, 138, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 138, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 138, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 138, 124);  
box-shadow:4px 4px 4px 4px rgb(120, 138,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4723, 23.6253, 22.5499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 138, 124) }
```

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

```
.background{ background-color: rgb(120,  
138, 124) }
```

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