

Converting Colors

XYZ(20.9753, 21.4315, 23.5170)

Have a look what the booklet for
XYZ(20.9753, 21.4315, 23.5170)
contains.

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Color

**XYZ(21.0300, 21.4668,
23.4572)**

Conversions

Conversions Part 1

Format	Color
Hex	857E80
RGB	133, 126, 128
RGB Percent	52%, 49%, 50%
CMY	0.4784, 0.5059, 0.4980
CMYK	0.00, 0.05, 0.04, 0.48
HSL	343°, 3%, 51%
HSV	343°, 5%, 52%
XYZ	21.0300, 21.4668, 23.4572
YIQ	128.3210, 3.5300, 2.1060

Conversions

Conversions Part 2

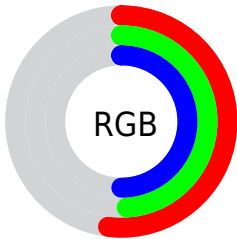
Format	Color
RYB	133, 126, 128
Decimal	8748672
CIELab	53.46, 3.03, -0.14
CIELCh	53, 3.036, 357.311
Yxy	21.4668, 0.3189, 0.3255
Android (android.graphics.Color)	4286938752 (0xFF857E80)
YUV	128.3210, -0.1583, 4.1035
Hunter-Lab	46.3323, -0.0612, 2.4151

Details

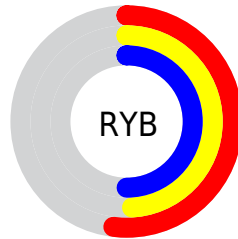
The XYZ color **21.0300, 21.4668, 23.4572** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.0893, 22.8499, 24.7728**, and the grayscale version is **20.6295, 21.7038, 23.6355**.

A 20% lighter version of the original color is **44.7103, 46.0155, 50.2415**, and **7.7213, 7.7571, 8.4874** is the 20% darker color. If you saturate the color by 10%, you get **18.8447, 18.0506, 19.7859**, and if you desaturate by 10%, it is **23.5012, 25.3605, 27.5134**.

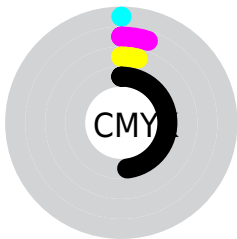
Distribution



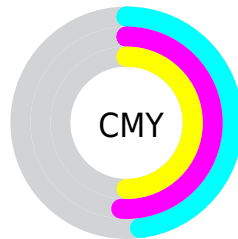
- Red (52%)
- Green (49%)
- Blue (50%)



- Red (52%)
- Yellow (49%)
- Blue (50%)



- Cyan (0%)
- Magenta (5%)
- Yellow (4%)
- Black (48%)



- Cyan (48%)
- Magenta (51%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0300, 21.4668, 23.4572 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 21.0300, 21.4668, 23.4572 by changing the saturation by 10% instead.

■ 21.0300, 21.4668,
23.4572

■ 21.0300, 21.4668,
23.4572

250.1666,
259.7490, 283.2623

■ 13.2585, 13.4656,
14.7230

■ 44.6284, 45.8631,
50.0756

■ 7.6850, 7.7500,
8.4808

■ 61.1859, 63.0271,
68.7970

■ 3.9442, 3.9354,
4.3119

■ 81.4029, 84.0141,
91.6844

■ 1.6706, 1.6375,
1.7980

105.6447,
109.2086, 119.1565

■ 0.4378, 0.3827,
0.4266

134.2766,
138.9949, 151.6318

■ 0.0000, 0.0000,
0.0000

167.6640,

173.7575, 189.5288

206.1722,
213.8807, 233.2662

■ 21.0300, 21.4668,
23.4572

■ 21.0300, 21.4668,
23.4572

■ 18.8447, 18.0506,
19.7859

■ 23.5012, 25.3605,
27.5134

■ 16.9331, 15.0909,
16.4868

■ 26.2665, 29.7463,
31.9641

■ 15.2847, 12.5690,
13.5483

■ 29.3358, 34.6417,
36.8201

■ 13.8875, 10.4638,
10.9579

■ 32.7181, 40.0622,
42.0915

■ 12.7289, 8.7529,
8.7022

■ 36.4222, 46.0230,
47.7880

■ 11.7946, 7.4112,
6.7670

■ 40.4562, 52.5385,
53.9189

■ 11.0694, 6.4110,
5.1367

■ 44.8281, 59.6225,
60.4935

■ 10.5354, 5.7207,
3.7948

■ 49.5457, 67.2884,
67.5203

■ 10.1678, 5.2940,
2.7210

■ 54.6164, 75.5493,
75.0081

Harmonies

Analogous

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



20.9305, 21.4668, 24.3472



21.0300, 21.4668, 23.4572



20.9602, 21.4668, 22.5674

Triad

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



21.0300, 21.4668, 23.4572



20.1200, 21.4668, 21.8292



20.0701, 21.4668, 24.9023

Complementary

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



21.0300, 21.4668, 23.4572



21.0893, 22.8499, 24.7728

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.



19.8569, 21.4668, 24.1990



21.0300, 21.4668, 23.4572



19.8855, 21.4668, 22.4265

Square

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



21.0300, 21.4668, 23.4572



20.4327, 21.4668, 21.6422



19.7897, 21.4668, 23.2904



20.3744, 21.4668, 25.1951

Rectangle

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



21.0300, 21.4668, 23.4572



20.8274, 21.4668, 22.0910



19.7897, 21.4668, 23.2904



19.9855, 21.4668, 24.7051

Sweetspot

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



21.0306, 21.4677, 23.4577



39.0274, 40.5912, 44.2670



21.0398, 21.4335, 25.2187



8.8064, 9.1667, 9.9959



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.0306, 21.4677, 23.4577



37.2985, 37.8748, 41.4048



21.0806, 21.7761, 22.8320



4.8679, 4.9357, 5.3964



9.5495, 4.8841, 2.2001



0.0359, 0.0181, 0.0225

Inverse Universe

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



21.0306, 21.4677, 23.4577



37.2985, 37.8748, 41.4048



21.0357, 22.5239, 25.4294



4.8679, 4.9357, 5.3964



9.5495, 4.8841, 2.2001



0.0359, 0.0181, 0.0225

Previews

White Background



This preview shows how the XYZ color 21.0300, 21.4668, 23.4572 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 21.0300, 21.4668, 23.4572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

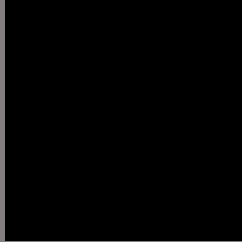
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.0300, 21.4668, 23.4572

Background



This preview shows how black text looks on a background with the XYZ color 21.0300, 21.4668, 23.4572.



This preview shows how white text looks on a background with the XYZ color 21.0300, 21.4668,

23.4572.

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

21.0300, 21.4668, 23.4572

Protanopia

20.7577, 21.5095, 23.8266

Deuteranopia

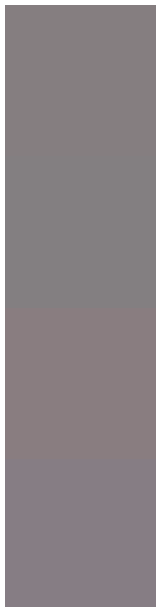
21.9192, 21.5493, 23.4262



Tritanopia

21.5383, 21.4848, 25.9335

Trichromacy



Original Color

21.0300, 21.4668, 23.4572

Protanomaly

20.9119, 21.5890, 23.8338

Deuteranomaly

21.5464, 21.5441, 23.4449

Tritanomaly

21.3300, 21.4015, 24.8365

Monochromacy



Original Color

21.0300, 21.4668, 23.4572

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.6916, 21.4831, 23.4782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0300, 21.4668, 23.4572 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(133, 126, 128)` looks like.

```
.text, #text, p{  
    color:rgb(133, 126, 128)  
}
```

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(133, 126, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 126, 128) }
```

Border

The CSS property to change the border of an element to XYZ 21.0300, 21.4668, 23.4572 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(133, 126, 128) }
```


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

```
.border{ border-color:rgb(133, 126, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 126, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 126, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 126, 128);  
box-shadow:4px 4px 4px 4px rgb(133, 126,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0300, 21.4668, 23.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 126, 128) }
```

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

```
.background{ background-color: rgb(133,  
126, 128) }
```

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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