

Converting Colors

XYZ(20.4340, 21.1760, 21.5940)

Have a look what the booklet for
XYZ(20.4340, 21.1760, 21.5940)
contains.

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Color

**XYZ(20.5517, 21.2573,
21.7588)**

Conversions

Conversions Part 1

Format	Color
Hex	847E7B
RGB	132, 126, 123
RGB Percent	52%, 49%, 48%
CMY	0.4824, 0.5059, 0.5176
CMYK	0.00, 0.05, 0.07, 0.48
HSL	20°, 4%, 50%
HSV	20°, 7%, 52%
XYZ	20.5517, 21.2573, 21.7588
YIQ	127.4520, 4.5390, 0.3390

Conversions

Conversions Part 2

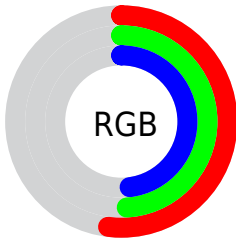
Format	Color
R_{YB}	132, 128, 123
Decimal	8683131
CIE Lab	53.23, 1.70, 2.43
CIE LCh	53, 2.968, 55.059
Yxy	21.2573, 0.3233, 0.3344
Android (android.graphics.Color)	4286873211 (0xFF847E7B)
YUV	127.4520, -2.1948, 3.9886
Hunter-Lab	46.1056, -1.1181, 4.2930

Details

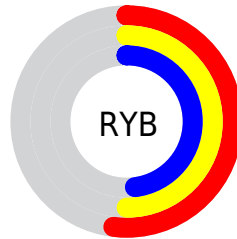
The XYZ color **20.5517, 21.2573, 21.7588** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.1834, 21.5770, 24.9310**, and the grayscale version is **20.3350, 21.3940, 23.2981**.

A 20% lighter version of the original color is **43.8655, 45.6496, 47.0567**, and **7.4572, 7.6412, 7.5604** is the 20% darker color. If you saturate the color by 10%, you get **18.7049, 18.7979, 17.3376**, and if you desaturate by 10%, it is **22.6101, 23.9610, 26.8008**.

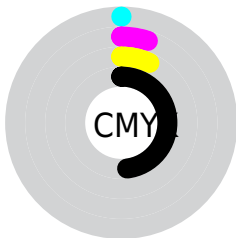
Distribution



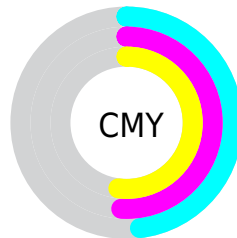
- Red (52%)
- Green (49%)
- Blue (48%)



- Red (52%)
- Yellow (50%)
- Blue (48%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (48%)



- Cyan (48%)
- Magenta (51%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5517, 21.2573, 21.7588 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 20.5517, 21.2573, 21.7588 by changing the saturation by 10% instead.

■ 20.5517, 21.2573,
21.7588

■ 20.5517, 21.2573,
21.7588

247.6634,
258.6428, 274.1964

■ 12.9073, 13.3122,
13.4832

■ 43.8372, 45.5154,
47.2441

■ 7.4413, 7.6439,
7.6275

■ 60.2089, 62.5971,
65.2908

■ 3.7884, 3.8679,
3.7732

■ 80.2205, 83.4932,
87.4316

■ 1.5831, 1.6000,
1.5018

104.2373,
108.5881, 114.0851

■ 0.3814, 0.3576,
0.2192

132.6246,
138.2661, 145.6698

■ 0.0000, 0.0000,
0.0000

165.7478,

172.9116, 182.6042

203.9723,
212.9090, 225.3069

■ 20.5517, 21.2573,
21.7588

■ 20.5517, 21.2573,
21.7588

■ 18.7049, 18.7979,
17.3376

■ 22.6101, 23.9610,
26.8008

■ 17.0609, 16.5732,
13.5117

■ 24.8849, 26.9127,
32.4851

■ 15.6129, 14.5769,
10.2557

■ 27.3830, 30.1197,
38.8337

■ 14.3532, 12.8014,
7.5421

■ 30.1105, 33.5880,
45.8674

■ 13.2733, 11.2388,
5.3407

■ 33.0732, 37.3236,
53.6059

■ 12.3641, 9.8807,
3.6188

■ 36.2766, 41.3320,
62.0681

■ 11.6156, 8.7178,
2.3394

■ 39.7263, 45.6188,
71.2722

■ 11.0166, 7.7402,
1.4603

■ 43.4274, 50.1893,
81.2359

■ 10.5488, 6.9347,
0.9032

■ 47.3851, 55.0486,
91.9761

Harmonies

Analogous

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



20.7555, 21.2573, 22.4219



20.5517, 21.2573, 21.7588



20.2564, 21.2573, 21.4676

Triad

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



20.5517, 21.2573, 21.7588



19.6097, 21.2573, 22.9972



20.4609, 21.2573, 24.7452

Complementary

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



20.5517, 21.2573, 21.7588



20.1834, 21.5770, 24.9310

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.



20.1525, 21.2573, 24.9088



20.5517, 21.2573, 21.7588



19.6632, 21.2573, 23.8847

Square

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



20.5517, 21.2573, 21.7588



19.7142, 21.2573, 22.1707



19.8611, 21.2573, 24.5901



20.7027, 21.2573, 24.1487

Rectangle

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



20.5517, 21.2573, 21.7588



20.0482, 21.2573, 21.5179



19.8611, 21.2573, 24.5901



20.3615, 21.2573, 24.8533

Sweetspot

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



20.5523, 21.2582, 21.7593



37.8857, 39.6644, 42.4287



20.5614, 20.6567, 23.6726



8.8324, 9.2502, 9.9072



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.



20.5523, 21.2582, 21.7593



35.7382, 36.8314, 37.2054



21.1404, 22.4344, 21.9553



4.7902, 4.9239, 4.9273



10.0916, 6.5058, 0.7239



0.0412, 0.0349, 0.0046

Inverse Universe

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



20.1834, 21.5770, 24.9310



34.9656, 37.4990, 43.8483



19.6040, 20.4182, 24.7378



4.6742, 5.0240, 5.9241



7.4136, 8.3751, 22.3625



0.0324, 0.0425, 0.0797

Previews

White Background



This preview shows how the XYZ color 20.5517, 21.2573, 21.7588 looks on a white background.

Color Contrast Check

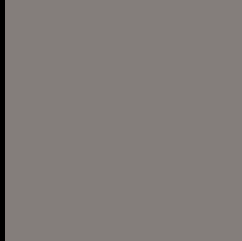
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5517, 21.2573, 21.7588 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 20.5517, 21.2573, 21.7588

Background



This preview shows how black text looks on a background with the XYZ color 20.5517, 21.2573, 21.7588.



This preview shows how white text looks on a background with the XYZ color 20.5517, 21.2573,

21.7588.

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

20.5517, 21.2573, 21.7588

Protanopia

20.3704, 21.3546, 21.7871

Deuteranopia

21.7056, 21.2839, 22.0330



Tritanopia

21.3422, 21.2049, 25.5223

Trichromacy



Original Color

20.5517, 21.2573, 21.7588

Protanomaly

20.5246, 21.4341, 21.7943

Deuteranomaly

21.3270, 21.2738, 22.0510

Tritanomaly

21.0357, 21.2655, 24.1150

Monochromacy



Original Color

20.5517, 21.2573, 21.7588

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.4085, 21.3522, 22.7844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5517, 21.2573, 21.7588 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(132, 126, 123)` looks like.

```
.text, #text, p{  
    color:rgb(132, 126, 123)  
}
```

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(132, 126, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 126, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.5517, 21.2573, 21.7588 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(132, 126, 123) }
```


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

```
.border{ border-color:rgb(132, 126, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 126, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 126, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 126, 123); box-shadow:4px 4px 4px 4px rgb(132, 126, 123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5517, 21.2573, 21.7588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 126, 123) }
```

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

```
.background{ background-color: rgb(132,  
126, 123) }
```

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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