

Converting Colors

XYZ(20.3338, 20.8839, 21.7529)

Have a look what the booklet for
XYZ(20.3338, 20.8839, 21.7529)
contains.

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Color

**XYZ(20.4245, 21.0028,
21.7164)**

Conversions

Conversions Part 1

Format	Color
Hex	847D7B
RGB	132, 125, 123
RGB Percent	52%, 49%, 48%
CMY	0.4823, 0.5098, 0.5176
CMYK	0.00, 0.05, 0.07, 0.48
HSL	13°, 4%, 50%
HSV	13°, 7%, 52%
XYZ	20.4245, 21.0028, 21.7164
YIQ	126.8650, 4.8140, 0.8620

Conversions

Conversions Part 2

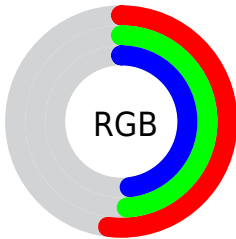
Format	Color
RYB	132, 126, 123
Decimal	8682875
CIELab	52.95, 2.28, 2.03
CIElCh	53, 3.050, 41.753
Yxy	21.0028, 0.3235, 0.3326
Android (android.graphics.Color)	4286872955 (0xFF847D7B)
YUV	126.8650, -1.9054, 4.5034
Hunter-Lab	45.8288, -0.6484, 3.9851

Details

The XYZ color **20.4245, 21.0028, 21.7164** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.3159, 21.8419, 24.9753**, and the grayscale version is **20.1321, 21.1806, 23.0656**.

A 20% lighter version of the original color is **43.6658, 45.2502, 46.9902**, and **7.3878, 7.5023, 7.5373** is the 20% darker color. If you saturate the color by 10%, you get **18.4206, 18.2292, 17.2428**, and if you desaturate by 10%, it is **22.6753, 24.0914, 26.8226**.

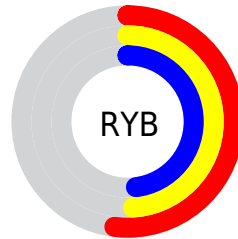
Distribution



Red (52%)

Green (49%)

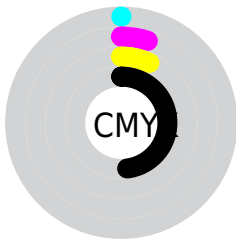
Blue (48%)



Red (52%)

Yellow (49%)

Blue (48%)

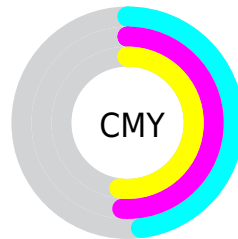


Cyan (0%)

Magenta (5%)

Yellow (7%)

Black (48%)



Cyan (48%)

Magenta (51%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4245, 21.0028, 21.7164 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 20.4245, 21.0028, 21.7164 by changing the saturation by 10% instead.

■ 20.4245, 21.0028,
21.7164

■ 20.4245, 21.0028,
21.7164

246.9940,
257.2934, 273.9667

■ 12.8140, 13.1260,
13.4523

■ 43.6263, 45.0922,
47.1730

■ 7.3767, 7.5154,
7.6064

■ 59.9483, 62.0736,
65.2026

■ 3.7472, 3.7865,
3.7600

■ 79.9049, 82.8587,
87.3245

■ 1.5601, 1.5548,
1.4946

103.8615,
107.8319, 113.9571

■ 0.3662, 0.3269,
0.2139

132.1833,
137.3776, 145.5191

■ 0.0000, 0.0000,
0.0000

165.2358,

171.8801, 182.4291

203.3842,
211.7239, 225.1054

■ 20.4245, 21.0028,
21.7164

■ 20.4245, 21.0028,
21.7164

■ 18.4206, 18.2292,
17.2428

■ 22.6753, 24.0914,
26.8226

■ 16.6533, 15.7579,
13.3758

■ 25.1794, 27.5017,
32.5833

■ 15.1143, 13.5795,
10.0895

■ 27.9450, 31.2436,
39.0211

■ 13.7940, 11.6830,
7.3556

■ 30.9794, 35.3258,
46.1571

■ 12.6822, 10.0566,
5.1437

■ 34.2898, 39.7566,
54.0115

■ 11.7677, 8.6878,
3.4200

■ 37.8828, 44.5443,
62.6036

■ 11.0382, 7.5630,
2.1469

■ 41.7652, 49.6964,
71.9520

■ 10.4802, 6.6674,
1.2815

■ 45.9432, 55.2206,
82.0747

■ 10.0725, 5.9821,
0.7444

■ 50.4230, 61.1243,
92.9891

Harmonies

Analogous

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



20.5702, 21.0028, 22.5119



20.4245, 21.0028, 21.7164



20.1556, 21.0028, 21.2374

Triad

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



20.4245, 21.0028, 21.7164



19.3846, 21.0028, 22.3218



20.0880, 21.0028, 24.6352

Complementary

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



20.4245, 21.0028, 21.7164



20.3159, 21.8419, 24.9753

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.



19.7707, 21.0028, 24.5810



20.4245, 21.0028, 21.7164



19.3669, 21.0028, 23.2288

Square

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



20.4245, 21.0028, 21.7164



19.5561, 21.0028, 21.5805



19.5076, 21.0028, 24.0606



20.3746, 21.0028, 24.2067

Rectangle

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



20.4245, 21.0028, 21.7164



19.9437, 21.0028, 21.1541



19.5076, 21.0028, 24.0606



19.9813, 21.0028, 24.6731

Sweetspot

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



20.4251, 21.0037, 21.7169



37.8154, 39.5238, 42.4052



20.6316, 20.6849, 24.0422



8.8171, 9.2197, 9.9021



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.



20.4251, 21.0037, 21.7169



35.4727, 36.3005, 37.1169



21.0009, 22.1553, 21.9088



4.7504, 4.8444, 4.9141



9.6513, 5.6251, 0.5771



0.0381, 0.0288, 0.0035

Inverse Universe

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



20.3159, 21.8419, 24.9753



35.2440, 38.0559, 43.9411



19.7370, 20.6841, 24.7823



4.7161, 5.1079, 5.9381



8.6979, 10.9437, 22.7906



0.0355, 0.0486, 0.0807

Previews

White Background



This preview shows how the XYZ color 20.4245, 21.0028, 21.7164 looks on a white background.

Color Contrast Check

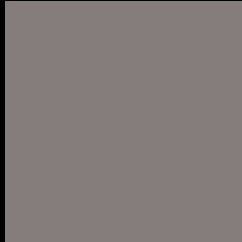
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4245, 21.0028, 21.7164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

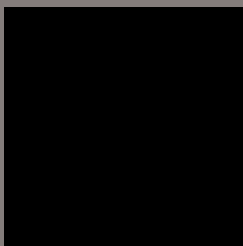
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4245, 21.0028, 21.7164

Background



This preview shows how black text looks on a background with the XYZ color 20.4245, 21.0028, 21.7164.

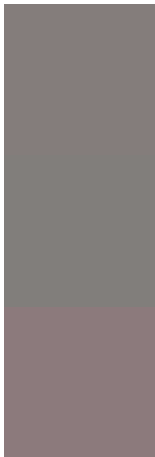


This preview shows how white text looks on a background with the XYZ color 20.4245, 21.0028,

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

20.4245, 21.0028, 21.7164

Protanopia

20.0893, 21.0189, 21.7371

Deuteranopia

21.4128, 20.9498, 21.9839



Tritanopia

20.9895, 20.8459, 25.1077

Trichromacy



Original Color

20.4245, 21.0028, 21.7164

Protanomaly

20.2419, 21.0976, 21.7443

Deuteranomaly

21.0376, 20.9395, 22.0017

Tritanomaly

20.8430, 20.9868, 23.7212

Monochromacy



Original Color

20.4245, 21.0028, 21.7164

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.2800, 21.0952, 22.7416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4245, 21.0028, 21.7164 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, 125, 123)` looks like.

```
.text, #text, p{  
    color:rgb(132, 125, 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, 125, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 125, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.4245, 21.0028, 21.7164 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, 125, 123) }
```


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

```
.border{ border-color:rgb(132, 125, 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, 125, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 125, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 125, 123);  
box-shadow:4px 4px 4px 4px rgb(132, 125,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4245, 21.0028, 21.7164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 125, 123) }
```

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

```
.background{ background-color: rgb(132,  
125, 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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