

Converting Colors

XYZ(20.3998, 21.1510, 21.7453)

Have a look what the booklet for
XYZ(20.3998, 21.1510, 21.7453)
contains.

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Color

**XYZ(20.3961, 21.1771,
21.7515)**

Conversions

Conversions Part 1

Format	Color
Hex	837E7B
RGB	131, 126, 123
RGB Percent	51%, 49%, 48%
CMY	0.4863, 0.5059, 0.5176
CMYK	0.00, 0.04, 0.06, 0.49
HSL	23°, 3%, 50%
HSV	23°, 6%, 51%
XYZ	20.3961, 21.1771, 21.7515
YIQ	127.1530, 3.9430, 0.1270

Conversions

Conversions Part 2

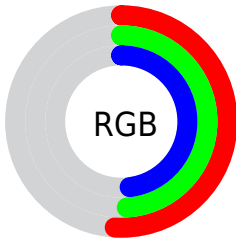
Format	Color
R_{YB}	131, 128, 123
Decimal	8617595
CIE Lab	53.14, 1.32, 2.30
CIE LCh	53, 2.647, 60.171
Yxy	21.1771, 0.3221, 0.3344
Android (android.graphics.Color)	4286807675 (0xFF837E7B)
YUV	127.1530, -2.0474, 3.3738
Hunter-Lab	46.0186, -1.4187, 4.1885

Details

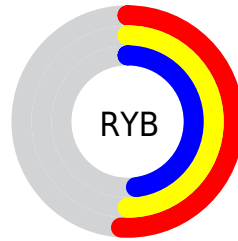
The XYZ color **20.3961, 21.1771, 21.7515** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.9843, 21.2876, 24.5286**, and the grayscale version is **20.2318, 21.2854, 23.1798**.

A 20% lighter version of the original color is **43.6251, 45.5257, 47.0455**, and **7.3696, 7.5960, 7.5563** is the 20% darker color. If you saturate the color by 10%, you get **18.6265, 18.8635, 17.3829**, and if you desaturate by 10%, it is **22.3623, 23.7077, 26.7276**.

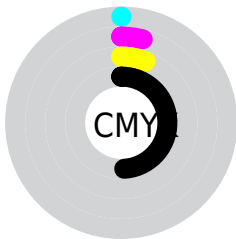
Distribution



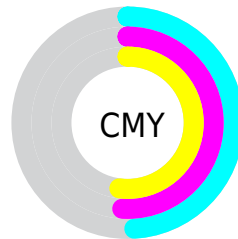
- Red (51%)
- Green (49%)
- Blue (48%)



- Red (51%)
- Yellow (50%)
- Blue (48%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (49%)



- Cyan (49%)
- Magenta (51%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3961, 21.1771, 21.7515 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 20.3961, 21.1771, 21.7515 by changing the saturation by 10% instead.

■ 20.3961, 21.1771,
21.7515

■ 20.3961, 21.1771,
21.7515

246.8443,
258.2182, 274.1568

■ 12.7932, 13.2535,
13.4779

■ 43.5792, 45.3821,
47.2318

■ 7.3623, 7.6034,
7.6238

■ 59.8901, 62.4323,
65.2756

■ 3.7381, 3.8422,
3.7709

■ 79.8344, 83.2935,
87.4132

■ 1.5550, 1.5857,
1.5005

103.7775,
108.3501, 114.0631

■ 0.3628, 0.3479,
0.2183

132.0846,
137.9864, 145.6439

■ 0.0000, 0.0000,
0.0000

165.1213,

172.5870, 182.5741

203.2527,
212.5361, 225.2722

■ 20.3961, 21.1771,
21.7515

■ 20.3961, 21.1771,
21.7515

■ 18.6265, 18.8635,
17.3829

■ 22.3623, 23.7077,
26.7276

■ 17.0454, 16.7583,
13.5969

■ 24.5293, 26.4581,
32.3321

■ 15.6465, 14.8564,
10.3691

■ 26.9035, 29.4345,
38.5864

■ 14.4228, 13.1513,
7.6726

■ 29.4905, 32.6422,
45.5106

■ 13.3666, 11.6364,
5.4783

■ 32.2956, 36.0861,
53.1240

■ 12.4695, 10.3044,
3.7543

■ 35.3239, 39.7711,
61.4448

■ 11.7224, 9.1477,
2.4650

■ 38.5804, 43.7019,
70.4910

■ 11.1151, 8.1579,
1.5697

■ 42.0698, 47.8830,
80.2795

■ 10.6319, 7.3241,
0.9998

■ 45.7969, 52.3188,
90.8269

Harmonies

Analogous

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



20.5953, 21.1771, 22.2950



20.3961, 21.1771, 21.7515



20.1266, 21.1771, 21.5564

Triad

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



20.3961, 21.1771, 21.7515



19.5967, 21.1771, 23.0629



20.3989, 21.1771, 24.4116

Complementary

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



20.3961, 21.1771, 21.7515



19.9843, 21.2876, 24.5286

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.



20.1298, 21.1771, 24.6283



20.3961, 21.1771, 21.7515



19.6682, 21.1771, 23.8387

Square

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



20.3961, 21.1771, 21.7515



19.6666, 21.1771, 22.3028



19.8627, 21.1771, 24.4163



20.5970, 21.1771, 23.8306

Rectangle

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



20.3961, 21.1771, 21.7515



19.9439, 21.1771, 21.6466



19.8627, 21.1771, 24.4163



20.3137, 21.1771, 24.5300

Sweetspot

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



20.3967, 21.1780, 21.7520



37.9122, 39.7173, 42.4375



20.3440, 20.5518, 23.3400



8.8381, 9.2617, 9.9091



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.



20.3967, 21.1780, 21.7520



36.1750, 37.4697, 38.0768



20.9093, 22.2032, 21.9228



4.8860, 5.0591, 5.1333



10.3040, 6.9305, 0.7946



0.0423, 0.0372, 0.0050

Inverse Universe

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



19.9843, 21.2876, 24.5286



35.3148, 37.6983, 43.8684



19.4814, 20.2820, 24.3610



4.7673, 5.0906, 5.9321



6.9929, 7.5337, 22.2223



0.0313, 0.0402, 0.0793

Previews

White Background



This preview shows how the XYZ color 20.3961, 21.1771, 21.7515 looks on a white background.

Color Contrast Check

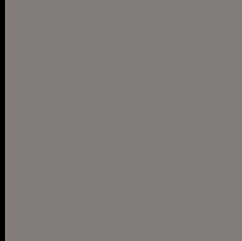
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3961, 21.1771, 21.7515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

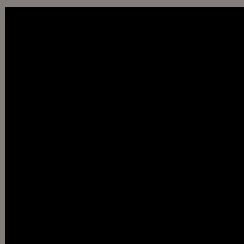
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

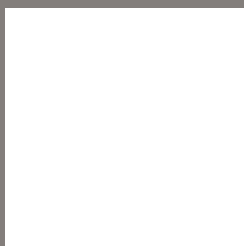
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3961, 21.1771, 21.7515

Background



This preview shows how black text looks on a background with the XYZ color 20.3961, 21.1771, 21.7515.



This preview shows how white text looks on a background with the XYZ color 20.3961, 21.1771,

21.7515.

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

20.3961, 21.1771, 21.7515

Protanopia

20.2419, 21.0976, 21.7443

Deuteranopia

21.5363, 21.1966, 22.0251



Tritanopia

21.1836, 21.1231, 25.5149

Trichromacy



Original Color

20.3961, 21.1771, 21.7515

Protanomaly

20.2419, 21.0976, 21.7443

Deuteranomaly

21.1623, 21.1889, 22.0433

Tritanomaly

20.8786, 21.1845, 24.1077

Monochromacy



Original Color

20.3961, 21.1771, 21.7515

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.2574, 21.2743, 22.7773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3961, 21.1771, 21.7515 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(131, 126, 123)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 126, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 126, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.3961, 21.1771, 21.7515 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(131, 126, 123) }
```


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

```
.border{ border-color:rgb(131, 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(131, 126, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 126, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 126, 123); box-shadow:4px 4px 4px 4px rgb(131, 126, 123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3961, 21.1771, 21.7515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 126, 123) }
```

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

```
.background{ background-color: rgb(131,  
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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