

Converting Colors

XYZ(20.1233, 21.0462, 21.8199)

Have a look what the booklet for
XYZ(20.1233, 21.0462, 21.8199)
contains.

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Color

**XYZ(20.0893, 21.0189,
21.7371)**

Conversions

Conversions Part 1

Format	Color
Hex	817E7B
RGB	129, 126, 123
RGB Percent	51%, 49%, 48%
CMY	0.4941, 0.5059, 0.5176
CMYK	0.00, 0.02, 0.05, 0.49
HSL	30°, 2%, 49%
HSV	30°, 5%, 51%
XYZ	20.0893, 21.0189, 21.7371
YIQ	126.5550, 2.7510, -0.2970

Conversions

Conversions Part 2

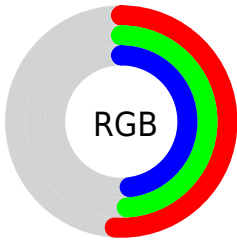
Format	Color
RYB	129, 129, 123
Decimal	8486523
CIELab	52.97, 0.55, 2.02
CIELCh	53, 2.098, 74.749
Yxy	21.0189, 0.3197, 0.3345
Android (android.graphics.Color)	4286676603 (0xFF817E7B)
YUV	126.5550, -1.7526, 2.1443
Hunter-Lab	45.8464, -2.0147, 3.9813

Details

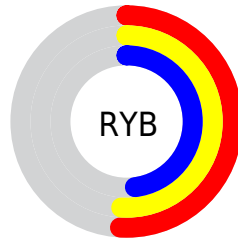
The XYZ color **20.0893, 21.0189, 21.7371** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.5917, 20.7174, 23.7355**, and the grayscale version is **20.0260, 21.0689, 22.9441**.

A 20% lighter version of the original color is **43.1494, 45.2804, 47.0232**, and **7.1982, 7.5076, 7.5483** is the 20% darker color. If you saturate the color by 10%, you get **18.5368, 19.1220, 17.4946**, and if you desaturate by 10%, it is **21.8025, 23.0664, 26.5588**.

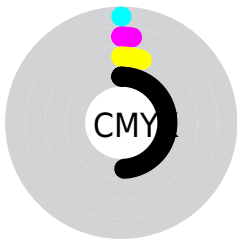
Distribution



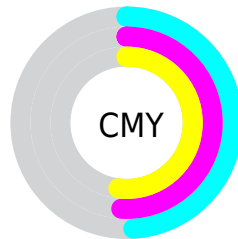
- Red (51%)
- Green (49%)
- Blue (48%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0893, 21.0189, 21.7371 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 20.0893, 21.0189, 21.7371 by changing the saturation by 10% instead.

■ 20.0893, 21.0189,
21.7371

■ 20.0893, 21.0189,
21.7371

245.2225,
257.3789, 274.0788

■ 12.5686, 13.1378,
13.4674

■ 43.0697, 45.1190,
47.2077

■ 7.2071, 7.5235,
7.6167

■ 59.2600, 62.1068,
65.2457

■ 3.6394, 3.7916,
3.7664

■ 79.0710, 82.8989,
87.3768

■ 1.5002, 1.5577,
1.4981

102.8680,
107.8798, 114.0196

■ 0.3260, 0.3288,
0.2165

131.0162,
137.4339, 145.5927

■ 0.0000, 0.0000,
0.0000

163.8812,

171.9455, 182.5146

201.8281,
211.7990, 225.2038

■ 20.0893, 21.0189,
21.7371

■ 20.0893, 21.0189,
21.7371

■ 18.5368, 19.1220,
17.4946

■ 21.8025, 23.0664,
26.5588

■ 17.1382, 17.3694,
13.8077

■ 23.6796, 25.2653,
31.9792

■ 15.8885, 15.7581,
10.6536

■ 25.7258, 27.6198,
38.0186

■ 14.7821, 14.2843,
8.0069

■ 27.9455, 30.1333,
44.6959

■ 13.8128, 12.9435,
5.8404

■ 30.3429, 32.8088,
52.0291

■ 12.9738, 11.7315,
4.1243

■ 32.9224, 35.6494,
60.0358

■ 12.2577, 10.6433,
2.8252

■ 35.6877, 38.6580,
68.7325

■ 11.6562, 9.6736,
1.9054

■ 38.6427, 41.8375,
78.1355

■ 11.1581, 8.8160,
1.3117

■ 41.7913, 45.1908,
88.2603

Harmonies

Analogous

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



20.2797, 21.0189, 22.0438



20.0893, 21.0189, 21.7371



19.8703, 21.0189, 21.7344

Triad

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



20.0893, 21.0189, 21.7371



19.5716, 21.0189, 23.1958



20.2771, 21.0189, 23.7571

Complementary

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



20.0893, 21.0189, 21.7371



19.5917, 20.7174, 23.7355

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.



20.0857, 21.0189, 24.0775



20.0893, 21.0189, 21.7371



19.6789, 21.0189, 23.7494

Square

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



20.0893, 21.0189, 21.7371



19.5725, 21.0189, 22.5688



19.8668, 21.0189, 24.0747



20.3887, 21.0189, 23.2061

Rectangle

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



20.0893, 21.0189, 21.7371



19.7377, 21.0189, 21.9051



19.8668, 21.0189, 24.0747



20.2199, 21.0189, 23.8958

Sweetspot

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



20.0899, 21.0198, 21.7376



37.0551, 38.9396, 41.9369



19.9024, 20.3397, 22.6160



8.3922, 8.8198, 9.5063



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



20.0899, 21.0198, 21.7376



35.5438, 37.1183, 37.7302



20.4790, 21.7981, 21.8673



4.5917, 4.7937, 4.8601



10.6490, 8.1944, 1.0204



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.5917, 20.7174, 23.7355



34.3773, 36.4102, 42.4085



19.2141, 19.9622, 23.6096



4.4355, 4.6989, 5.4865



5.6802, 5.1788, 20.9502



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 20.0893, 21.0189, 21.7371 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 20.0893, 21.0189, 21.7371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

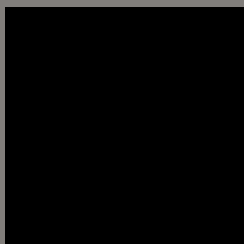
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

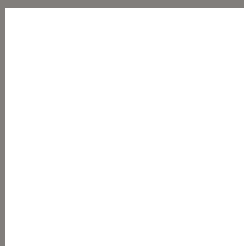
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0893, 21.0189, 21.7371

Background



This preview shows how black text looks on a background with the XYZ color 20.0893, 21.0189, 21.7371.



This preview shows how white text looks on a background with the XYZ color 20.0893, 21.0189,

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

20.0893, 21.0189, 21.7371

Protanopia

20.0893, 21.0189, 21.7371

Deuteranopia

21.4128, 20.9498, 21.9839



Tritanopia

20.8708, 20.9618, 25.5003

Trichromacy



Original Color

20.0893, 21.0189, 21.7371

Protanomaly

20.0893, 21.0189, 21.7371

Deuteranomaly

20.8744, 20.8554, 21.9941

Tritanomaly

20.5688, 21.0248, 24.0932

Monochromacy



Original Color

20.0893, 21.0189, 21.7371

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 20.0893, 21.0189, 21.7371 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(129, 126, 123) looks like.

```
.text, #text, p{  
    color:rgb(129, 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(129, 126, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 126, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.0893, 21.0189, 21.7371 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(129, 126, 123) }
```


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

```
.border{ border-color:rgb(129, 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(129, 126, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 126, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 126, 123);  
box-shadow:4px 4px 4px 4px rgb(129, 126,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0893, 21.0189, 21.7371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 126, 123) }
```

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

```
.background{ background-color: rgb(129,  
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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