

Converting Colors

XYZ(20.0091, 21.2113, 19.2502)

Have a look what the booklet for
XYZ(20.0091, 21.2113, 19.2502)
contains.

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Color

**XYZ(20.0440, 21.2418,
19.2633)**

Conversions

Conversions Part 1

Format	Color
Hex	837F73
RGB	131, 127, 115
RGB Percent	51%, 50%, 45%
CMY	0.4863, 0.5019, 0.5490
CMYK	0.00, 0.03, 0.12, 0.49
HSL	45°, 7%, 48%
HSV	45°, 12%, 51%
XYZ	20.0440, 21.2418, 19.2633
YIQ	126.8280, 6.2360, -2.8840

Conversions

Conversions Part 2

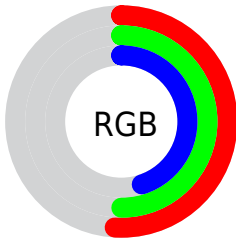
Format	Color
RYB	120, 131, 115
Decimal	8617843
CIELab	53.21, -0.72, 7.06
CIELCh	53, 7.094, 95.820
Yxy	21.2418, 0.3310, 0.3508
Android (android.graphics.Color)	4286807923 (0xFF837F73)
YUV	126.8280, -5.8312, 3.6588
Hunter-Lab	46.0888, -3.0259, 7.4813

Details

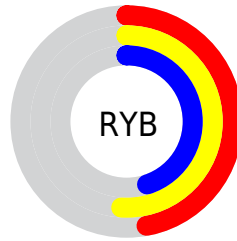
The XYZ color **20.0440, 21.2418, 19.2633** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **17.7639, 18.4771, 24.1033**, and the grayscale version is **20.1321, 21.1806, 23.0656**.

A 20% lighter version of the original color is **43.0635, 45.6229, 43.0956**, and **7.2172, 7.6479, 6.4060** is the 20% darker color. If you saturate the color by 10%, you get **18.9274, 20.1303, 15.4326**, and if you desaturate by 10%, it is **21.2826, 22.4255, 23.6638**.

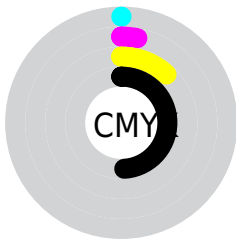
Distribution



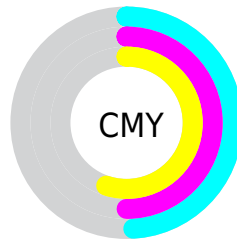
- Red (51%)
- Green (50%)
- Blue (45%)



- Red (47%)
- Yellow (51%)
- Blue (45%)



- Cyan (0%)
- Magenta (3%)
- Yellow (12%)
- Black (49%)



- Cyan (49%)
- Magenta (50%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0440, 21.2418, 19.2633 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 20.0440, 21.2418, 19.2633 by changing the saturation by 10% instead.

■ 20.0440, 21.2418,
19.2633

■ 20.0440, 21.2418,
19.2633

244.9822,
258.5607, 260.3695

■ 12.5355, 13.3009,
11.6820

■ 42.9943, 45.4896,
43.0212

■ 7.1842, 7.6360,
6.4076

■ 59.1668, 62.5653,
60.0347

■ 3.6249, 3.8630,
3.0217

■ 78.9581, 83.4546,
81.0295

■ 1.4922, 1.5972,
1.1057

102.7333,
108.5421, 106.4239

■ 0.3205, 0.3557,
0.0000

130.8580,
138.2120, 136.6366

■ 0.0000, 0.0000,
0.0000

163.6975,

172.8489, 172.0861

201.6171,
212.8370, 213.1908

■ 20.0440, 21.2418,
19.2633

■ 20.0440, 21.2418,
19.2633

■ 18.9274, 20.1303,
15.4326

■ 21.2826, 22.4255,
23.6638

■ 17.9265, 19.0862,
12.1466

■ 22.6460, 23.6805,
28.6551

■ 17.0370, 18.1082,
9.3803

■ 24.1387, 25.0097,
34.2587

■ 16.2534, 17.1940,
7.1064

■ 25.7647, 26.4148,
40.4947

■ 15.5700, 16.3409,
5.2949

■ 27.5278, 27.8974,
47.3823

■ 14.9804, 15.5463,
3.9125

■ 29.4316, 29.4594,
54.9397

■ 14.4772, 14.8070,
2.9215

■ 31.4794, 31.1021,
63.1847

■ 14.0519, 14.1193,
2.2776

■ 33.6748, 32.8271,
72.1341

■ 13.7529, 13.6107,
1.9023

■ 36.0207, 34.6360,
81.8043

Harmonies

Analogous

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



20.7854, 21.2418, 19.5664



20.0440, 21.2418, 19.2633



19.3585, 21.2418, 19.9429

Triad

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



20.0440, 21.2418, 19.2633



19.0443, 21.2418, 25.6275



21.5322, 21.2418, 24.8596

Complementary

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



20.0440, 21.2418, 19.2633



17.7639, 18.4771, 24.1033

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.



21.0443, 21.2418, 26.6369



20.0440, 21.2418, 19.2633



19.6055, 21.2418, 27.0991

Square

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



20.0440, 21.2418, 19.2633



18.7906, 21.2418, 23.5495



20.3361, 21.2418, 27.4794



21.6566, 21.2418, 22.7130

Rectangle

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



20.0440, 21.2418, 19.2633



19.0216, 21.2418, 20.8881



20.3361, 21.2418, 27.4794



21.4047, 21.2418, 25.5241

Sweetspot

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



20.0446, 21.2427, 19.2638



37.6787, 39.7509, 40.8164



18.8209, 18.4190, 20.0163



8.7367, 9.2211, 9.3750



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.



20.0446, 21.2427, 19.2638



35.2454, 37.4032, 32.2400



19.9636, 21.9828, 19.4109



4.9438, 5.2312, 4.9785



13.5396, 13.4017, 1.8732



0.0527, 0.0580, 0.0084

Inverse Universe

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



17.7639, 18.4771, 24.1033



30.2204, 31.3099, 42.9038



17.8356, 17.8224, 23.9732



4.5221, 4.7198, 5.8734



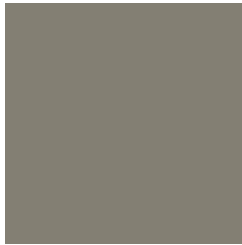
4.5626, 2.6730, 21.4122



0.0209, 0.0194, 0.0759

Previews

White Background



This preview shows how the XYZ color 20.0440, 21.2418, 19.2633 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 20.0440, 21.2418, 19.2633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

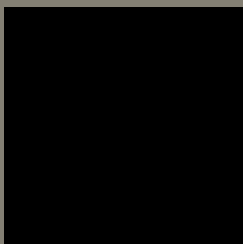
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

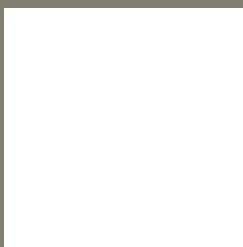
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0440, 21.2418, 19.2633

Background



This preview shows how black text looks on a background with the XYZ color 20.0440, 21.2418, 19.2633.



This preview shows how white text looks on a background with the XYZ color 20.0440, 21.2418,

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

20.0440, 21.2418, 19.2633

Protanopia

20.1996, 21.3221, 19.2706

Deuteranopia

21.5630, 21.2665, 19.4913



Tritanopia

21.3422, 21.2049, 25.5223

Trichromacy



Original Color

20.0440, 21.2418, 19.2633

Protanomaly

20.1996, 21.3221, 19.2706

Deuteranomaly

21.0075, 21.1652, 19.5011

Tritanomaly

20.8372, 21.1861, 23.0698

Monochromacy



Original Color

20.0440, 21.2418, 19.2633

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.0666, 21.1980, 21.7729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0440, 21.2418, 19.2633 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, 127, 115)` looks like.

```
.text, #text, p{  
    color:rgb(131, 127, 115)  
}
```

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, 127, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 127, 115) }
```

Border

The CSS property to change the border of an element to XYZ 20.0440, 21.2418, 19.2633 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, 127, 115) }
```


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

```
.border{ border-color:rgb(131, 127, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 127, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 127, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 127, 115);  
box-shadow:4px 4px 4px 4px rgb(131, 127,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0440, 21.2418, 19.2633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 127, 115) }
```

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

```
.background{ background-color: rgb(131,  
127, 115) }
```

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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