

Converting Colors

XYZ(20.3880, 19.7949, 21.6947)

Have a look what the booklet for
XYZ(20.3880, 19.7949, 21.6947)
contains.

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Color

**XYZ(20.4331, 19.7305,
21.8002)**

Conversions

Conversions Part 1

Format	Color
Hex	89767C
RGB	137, 118, 124
RGB Percent	54%, 46%, 49%
CMY	0.4627, 0.5372, 0.5137
CMYK	0.00, 0.14, 0.09, 0.46
HSL	341°, 7%, 50%
HSV	341°, 14%, 54%
XYZ	20.4331, 19.7305, 21.8002
YIQ	124.3650, 9.3980, 5.8940

Conversions

Conversions Part 2

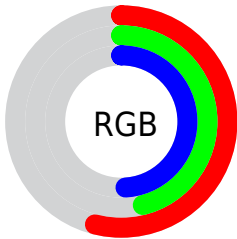
Format	Color
R_{YB}	137, 118, 124
Decimal	9008764
CIE Lab	51.53, 8.44, -0.57
CIE LCh	52, 8.463, 356.138
Yxy	19.7305, 0.3298, 0.3184
Android (android.graphics.Color)	4287198844 (0xFF89767C)
YUV	124.3650, -0.1799, 11.0809
Hunter-Lab	44.4190, 4.3781, 1.9947

Details

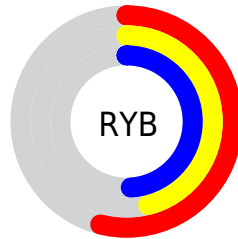
The XYZ color **20.4331, 19.7305, 21.8002** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.5144, 23.3822, 24.9060**, and the grayscale version is **19.2789, 20.2829, 22.0880**.

A 20% lighter version of the original color is **43.4464, 42.8312, 47.0517**, and **7.3906, 6.9146, 7.6017** is the 20% darker color. If you saturate the color by 10%, you get **18.3706, 16.5095, 18.3254**, and if you desaturate by 10%, it is **22.7875, 23.4445, 25.6509**.

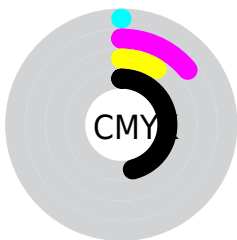
Distribution



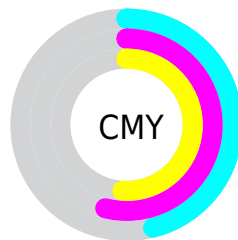
- Red (54%)
- Green (46%)
- Blue (49%)



- Red (54%)
- Yellow (46%)
- Blue (49%)



- Cyan (0%)
- Magenta (14%)
- Yellow (9%)
- Black (46%)



- Cyan (46%)
- Magenta (54%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4331, 19.7305, 21.8002 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 20.4331, 19.7305, 21.8002 by changing the saturation by 10% instead.

■ 20.4331, 19.7305,
21.8002

■ 20.4331, 19.7305,
21.8002

247.0393,
250.4524, 274.4205

■ 12.8203, 12.1993,
13.5133

■ 43.6405, 42.9649,
47.3135

■ 7.3811, 6.8796,
7.6480

■ 59.9660, 59.4369,
65.3769

■ 3.7500, 3.3869,
3.7861

■ 79.9263, 79.6579,
87.5363

■ 1.5617, 1.3369,
1.5087

103.8869,
104.0123, 114.2100

■ 0.3672, 0.1695,
0.2244

132.2132,
132.8846, 145.8168

■ 0.0000, 0.0000,
0.0000

165.2704,

166.6591, 182.7751

203.4240,
205.7202, 225.5035

■ 20.4331, 19.7305,
21.8002

■ 20.4331, 19.7305,
21.8002

■ 18.3706, 16.5095,
18.3254

■ 22.7875, 23.4445,
25.6509

■ 16.5866, 13.7580,
15.2136

■ 25.4429, 27.6684,
29.8873

■ 15.0694, 11.4549,
12.4531

■ 28.4105, 32.4215,
34.5205

■ 13.8054, 9.5760,
10.0309

■ 31.7000, 37.7213,
39.5605

■ 12.7801, 8.0950,
7.9333

■ 35.3208, 43.5845,
45.0172

■ 11.9774, 6.9826,
6.1455

■ 39.2821, 50.0271,
50.9001

■ 11.3789, 6.2055,
4.6513

■ 43.5924, 57.0644,
57.2182

■ 10.9623, 5.7226,
3.4326

■ 48.2603, 64.7113,
63.9805

■ 10.7573, 5.4947,
2.8033

■ 53.2937, 72.9819,
71.1956

Harmonies

Analogous

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



20.1446, 19.7305, 24.2006



20.4331, 19.7305, 21.8002



20.2604, 19.7305, 19.4847

Triad

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



20.4331, 19.7305, 21.8002



18.0418, 19.7305, 17.5460



17.8565, 19.7305, 25.6128

Complementary

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



20.4331, 19.7305, 21.8002



20.5144, 23.3822, 24.9060

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.



17.3228, 19.7305, 23.6138



20.4331, 19.7305, 21.8002



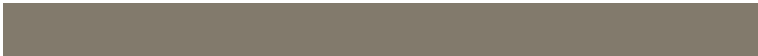
17.4275, 19.7305, 18.9772

Square

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



20.4331, 19.7305, 21.8002



18.8636, 19.7305, 17.1399



17.1681, 19.7305, 21.1692



18.6433, 19.7305, 26.5044

Rectangle

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



20.4331, 19.7305, 21.8002



19.9097, 19.7305, 18.2793



17.1681, 19.7305, 21.1692



17.6425, 19.7305, 25.0410

Sweetspot

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



20.4337, 19.7314, 21.8006



40.7084, 41.8272, 45.7753



20.3520, 19.5879, 26.3754



9.0633, 9.2749, 10.1582



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.4337, 19.7314, 21.8006



35.2380, 33.2122, 36.7815



20.4835, 20.4198, 20.0024



5.0937, 5.0729, 5.5819



10.0253, 5.1202, 2.6374



0.0727, 0.0364, 0.0494

Inverse Universe

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



20.4337, 19.7314, 21.8006



35.2380, 33.2122, 36.7815



20.4457, 22.5752, 26.9471



5.0937, 5.0729, 5.5819



10.0253, 5.1202, 2.6374



0.0727, 0.0364, 0.0494

Previews

White Background



This preview shows how the XYZ color 20.4331, 19.7305, 21.8002 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 20.4331, 19.7305, 21.8002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

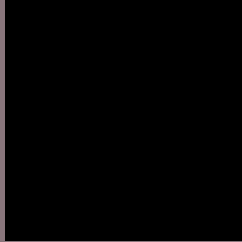
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4331, 19.7305, 21.8002

Background



This preview shows how black text looks on a background with the XYZ color 20.4331, 19.7305, 21.8002.



This preview shows how white text looks on a background with the XYZ color 20.4331, 19.7305,

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

20.4331, 19.7305, 21.8002

Protanopia

19.0376, 19.7105, 22.5398

Deuteranopia

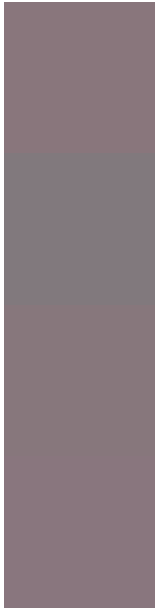
20.0664, 19.7172, 21.8170



Tritanopia

20.6257, 19.8075, 22.8148

Trichromacy



Original Color

20.4331, 19.7305, 21.8002

Protanomaly

19.5923, 19.8225, 22.1955

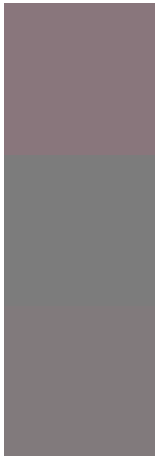
Deuteranomaly

20.2266, 19.7998, 21.8245

Tritanomaly

20.5609, 19.7816, 22.4732

Monochromacy



Original Color

20.4331, 19.7305, 21.8002

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.6509, 20.0414, 21.9015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4331, 19.7305, 21.8002 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(137, 118, 124)` looks like.

```
.text, #text, p{  
    color:rgb(137, 118, 124)  
}
```

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(137, 118, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 118, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.4331, 19.7305, 21.8002 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(137, 118, 124) }
```


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

```
.border{ border-color:rgb(137, 118, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 118, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 118, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 118, 124);  
box-shadow:4px 4px 4px 4px rgb(137, 118,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4331, 19.7305, 21.8002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 118, 124) }
```

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

```
.background{ background-color: rgb(137,  
118, 124) }
```

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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