

Converting Colors

XYZ(20.2149, 19.7850, 21.6770)

Have a look what the booklet for
XYZ(20.2149, 19.7850, 21.6770)
contains.

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Color

**XYZ(20.2266, 19.7998,
21.8245)**

Conversions

Conversions Part 1

Format	Color
Hex	87777C
RGB	135, 119, 124
RGB Percent	53%, 47%, 49%
CMY	0.4706, 0.5333, 0.5137
CMYK	0.00, 0.12, 0.08, 0.47
HSL	341°, 6%, 50%
HSV	341°, 12%, 53%
XYZ	20.2266, 19.7998, 21.8245
YIQ	124.3540, 7.9310, 4.9470

Conversions

Conversions Part 2

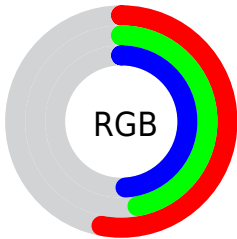
Format	Color
R_{YB}	135, 119, 124
Decimal	8877948
CIE _{Lab}	51.61, 7.09, -0.48
CIE _{LCh}	52, 7.107, 356.150
Yxy	19.7998, 0.3270, 0.3201
Android (android.graphics.Color)	4287068028 (0xFF87777C)
YUV	124.3540, -0.1745, 9.3365
Hunter-Lab	44.4970, 3.2695, 2.0678

Details

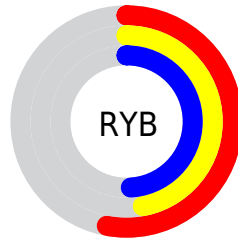
The XYZ color **20.2266, 19.7998, 21.8245** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.3018, 22.8621, 24.4630**, and the grayscale version is **19.2755, 20.2793, 22.0842**.

A 20% lighter version of the original color is **43.1384, 42.9518, 47.0912**, and **7.2696, 6.9458, 7.6141** is the 20% darker color. If you saturate the color by 10%, you get **18.1731, 16.5883, 18.3788**, and if you desaturate by 10%, it is **22.5647, 23.4917, 25.6382**.

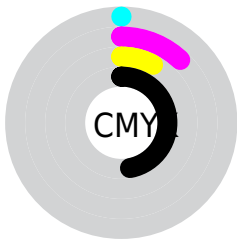
Distribution



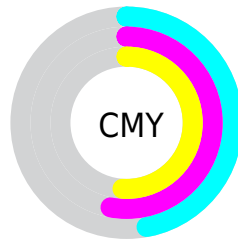
- Red (53%)
- Green (47%)
- Blue (49%)



- Red (53%)
- Yellow (47%)
- Blue (49%)



- Cyan (0%)
- Magenta (12%)
- Yellow (8%)
- Black (47%)



- Cyan (47%)
- Magenta (53%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2266, 19.7998, 21.8245 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 20.2266, 19.7998, 21.8245 by changing the saturation by 10% instead.

■ 20.2266, 19.7998,
21.8245

■ 20.2266, 19.7998,
21.8245

245.9495,
250.8293, 274.5519

■ 12.6691, 12.2496,
13.5309

■ 43.2978, 43.0813,
47.3542

■ 7.2765, 6.9139,
7.6601

■ 59.5422, 59.5813,
65.4275

■ 3.6835, 3.4083,
3.7936

■ 79.4130, 79.8335,
87.5976

■ 1.5247, 1.3484,
1.5128

103.2755,
104.2221, 114.2833

■ 0.3425, 0.1782,
0.2274

131.4950,
133.1316, 145.9031

■ 0.0000, 0.0000,
0.0000

164.4369,

166.9464, 182.8754

202.4666,
206.0508, 225.6188

■ 20.2266, 19.7998,
21.8245

■ 20.2266, 19.7998,
21.8245

■ 18.1731, 16.5883,
18.3788

■ 22.5647, 23.4917,
25.6382

■ 16.3915, 13.8347,
15.2888

■ 25.1963, 27.6799,
29.8294

■ 14.8704, 11.5189,
12.5429

■ 28.1318, 32.3828,
34.4087

■ 13.5973, 9.6179,
10.1289

■ 31.3807, 37.6173,
39.3860

■ 12.5581, 8.1070,
8.0334

■ 34.9519, 43.3994,
44.7707

■ 11.7377, 6.9585,
6.2423

■ 38.8543, 49.7442,
50.5720

■ 11.1189, 6.1411,
4.7401

■ 43.0960, 56.6666,
56.7987

■ 10.6816, 5.6184,
3.5097

■ 47.6852, 64.1806,
63.4595

■ 10.4128, 5.3194,
2.6848

■ 52.6297, 72.3000,
70.5626

Harmonies

Analogous

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



19.9859, 19.7998, 23.8306



20.2266, 19.7998, 21.8245



20.0823, 19.7998, 19.8670

Triad

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



20.2266, 19.7998, 21.8245



18.2188, 19.7998, 18.2091



18.0625, 19.7998, 25.0021

Complementary

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



20.2266, 19.7998, 21.8245



20.3018, 22.8621, 24.4630

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.



17.6100, 19.7998, 23.3436



20.2266, 19.7998, 21.8245



17.6986, 19.7998, 19.4358

Square

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



20.2266, 19.7998, 21.8245



18.9117, 19.7998, 17.8587



17.4785, 19.7998, 21.2949



18.7268, 19.7998, 25.7372

Rectangle

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



20.2266, 19.7998, 21.8245



19.7892, 19.7998, 18.8381



17.4785, 19.7998, 21.2949



17.8813, 19.7998, 24.5292

Sweetspot

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



20.2272, 19.8007, 21.8249



39.4260, 40.5120, 44.3250



20.1664, 19.6844, 25.6585



9.0627, 9.2746, 10.1550



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.



20.2272, 19.8007, 21.8249



35.2700, 33.9633, 37.5032



20.2735, 20.3864, 20.3203



4.7281, 4.7109, 5.1804



9.6074, 4.9073, 2.5048



0.0363, 0.0182, 0.0245

Inverse Universe

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



20.2272, 19.8007, 21.8249



35.2700, 33.9633, 37.5032



20.2419, 22.1924, 26.1386



4.7281, 4.7109, 5.1804



9.6074, 4.9073, 2.5048



0.0363, 0.0182, 0.0245

Previews

White Background



This preview shows how the XYZ color 20.2266, 19.7998, 21.8245 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 20.2266, 19.7998, 21.8245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

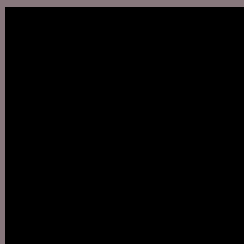
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

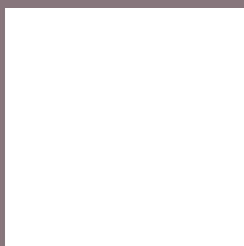
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2266, 19.7998, 21.8245

Background



This preview shows how black text looks on a background with the XYZ color 20.2266, 19.7998, 21.8245.



This preview shows how white text looks on a background with the XYZ color 20.2266, 19.7998,

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

20.2266, 19.7998, 21.8245

Protanopia

19.0376, 19.7105, 22.5398

Deuteranopia

20.0664, 19.7172, 21.8170



Tritanopia

20.5281, 19.7496, 23.1522

Trichromacy



Original Color

20.2266, 19.7998, 21.8245

Protanomaly

19.4411, 19.7446, 22.1885

Deuteranomaly

20.0664, 19.7172, 21.8170

Tritanomaly

20.4625, 19.7234, 22.8072

Monochromacy



Original Color

20.2266, 19.7998, 21.8245

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.4997, 19.9635, 21.8944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2266, 19.7998, 21.8245 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(135, 119, 124)` looks like.

```
.text, #text, p{  
    color:rgb(135, 119, 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(135, 119, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 119, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.2266, 19.7998, 21.8245 is called "border". The border property can be set on classes, ids or directly on the HTML element.

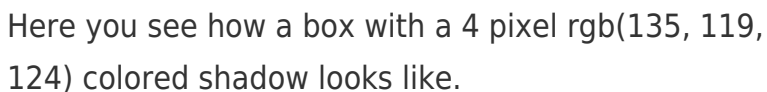
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 119, 124) }
```


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

```
.border{ border-color:rgb(135, 119, 124) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 119, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 119, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 119, 124); box-shadow:4px 4px 4px 4px rgb(135, 119, 124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2266, 19.7998, 21.8245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 119, 124) }
```

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

```
.background{ background-color: rgb(135,  
119, 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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