

Converting Colors

XYZ(20.5276, 19.8342, 22.2686)

Have a look what the booklet for
XYZ(20.5276, 19.8342, 22.2686)
contains.

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Color

**XYZ(20.4966, 19.7559,
22.1350)**

Conversions

Conversions Part 1

Format	Color
Hex	89767D
RGB	137, 118, 125
RGB Percent	54%, 46%, 49%
CMY	0.4627, 0.5372, 0.5098
CMYK	0.00, 0.14, 0.09, 0.46
HSL	338°, 7%, 50%
HSV	338°, 14%, 54%
XYZ	20.4966, 19.7559, 22.1350
YIQ	124.4790, 9.0770, 6.2050

Conversions

Conversions Part 2

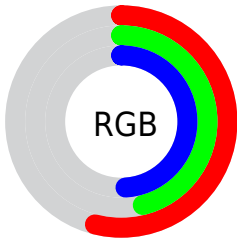
Format	Color
R_{YB}	137, 118, 125
Decimal	9008765
CIE Lab	51.56, 8.63, -1.12
CIE LCh	52, 8.701, 352.631
Yxy	19.7559, 0.3285, 0.3167
Android (android.graphics.Color)	4287198845 (0xFF89767D)
YUV	124.4790, 0.2569, 10.9809
Hunter-Lab	44.4476, 4.5303, 1.5868

Details

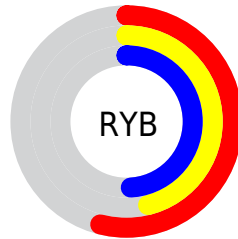
The XYZ color **20.4966, 19.7559, 22.1350** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.4469, 23.3550, 24.5505**, and the grayscale version is **19.3156, 20.3215, 22.1302**.

A 20% lighter version of the original color is **43.6458, 42.9110, 48.1017**, and **7.4251, 6.9284, 7.7834** is the 20% darker color. If you saturate the color by 10%, you get **18.4701, 16.5493, 18.8499**, and if you desaturate by 10%, it is **22.8067, 23.4522, 25.7528**.

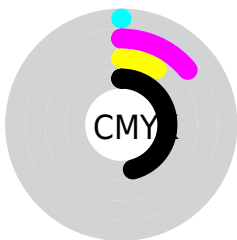
Distribution



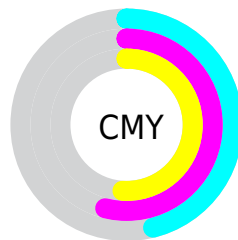
- Red (54%)
- Green (46%)
- Blue (49%)



- 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 20.4966, 19.7559, 22.1350 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 20.4966, 19.7559, 22.1350 by changing the saturation by 10% instead.

■ 20.4966, 19.7559,
22.1350

■ 20.4966, 19.7559,
22.1350

247.3736,
250.5906, 276.2269

■ 12.8669, 12.2177,
13.7569

■ 43.7458, 43.0076,
47.8741

■ 7.4133, 6.8921,
7.8149

■ 60.0961, 59.4898,
66.0721

■ 3.7705, 3.3947,
3.8907

■ 80.0839, 79.7223,
88.3805

■ 1.5731, 1.3411,
1.5656

104.0746,
104.0892, 115.2178

■ 0.3748, 0.1727,
0.2661

132.4335,
132.9752, 147.0025

■ 0.0000, 0.0000,
0.0000

165.5261,

166.7644, 184.1533

203.7177,
205.8414, 227.0886

■ 20.4966, 19.7559,
22.1350

■ 20.4966, 19.7559,
22.1350

■ 18.4701, 16.5493,
18.8499

■ 22.8067, 23.4522,
25.7528

■ 16.7143, 13.8091,
15.8864

■ 25.4094, 27.6550,
29.7115

■ 15.2177, 11.5142,
13.2347

■ 28.3154, 32.3835,
34.0203

■ 13.9673, 9.6407,
10.8838

■ 31.5341, 37.6549,
38.6879

■ 12.9489, 8.1625,
8.8223

■ 35.0748, 43.4860,
43.7227

■ 12.1467, 7.0503,
7.0376

■ 38.9463, 49.8927,
49.1326

■ 11.5430, 6.2712,
5.5161

■ 43.1569, 56.8901,
54.9254

■ 11.1160, 5.7841,
4.2426

■ 47.7147, 64.4929,
61.1086

■ 10.9024, 5.5527,
3.5674

■ 52.6277, 72.7153,
67.6897

Harmonies

Analogous

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



20.1471, 19.7559, 24.5712



20.4966, 19.7559, 22.1350



20.3742, 19.7559, 19.7087

Triad

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



20.4966, 19.7559, 22.1350



18.1371, 19.7559, 17.3613



17.7742, 19.7559, 25.5738

Complementary

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



20.4966, 19.7559, 22.1350



20.4469, 23.3550, 24.5505

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.



17.2663, 19.7559, 23.4195



20.4966, 19.7559, 22.1350



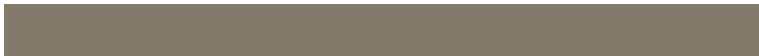
17.4712, 19.7559, 18.7157

Square

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



20.4966, 19.7559, 22.1350



18.9941, 19.7559, 17.0756



17.1571, 19.7559, 20.8985



18.5623, 19.7559, 26.6543

Rectangle

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



20.4966, 19.7559, 22.1350



20.0432, 19.7559, 18.4084



17.1571, 19.7559, 20.8985



17.5661, 19.7559, 24.9435

Sweetspot

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



20.4972, 19.7568, 22.1354



40.7450, 41.8418, 45.9680



20.1570, 19.4874, 26.3661



9.0728, 9.2787, 10.2082



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.



20.4972, 19.7568, 22.1354



35.3762, 33.2675, 37.5090



20.3298, 20.1124, 19.9512



5.1041, 5.0771, 5.6365



10.1609, 5.1745, 3.3515



0.0741, 0.0370, 0.0572

Inverse Universe

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



20.4972, 19.7568, 22.1354



35.3762, 33.2675, 37.5090



20.6210, 22.9257, 27.0053



5.1041, 5.0771, 5.6365



10.1609, 5.1745, 3.3515



0.0741, 0.0370, 0.0572

Previews

White Background



This preview shows how the XYZ color 20.4966, 19.7559, 22.1350 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 20.4966, 19.7559, 22.1350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

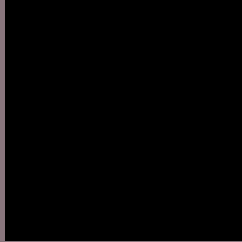
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4966, 19.7559, 22.1350

Background



This preview shows how black text looks on a background with the XYZ color 20.4966, 19.7559, 22.1350.



This preview shows how white text looks on a background with the XYZ color 20.4966, 19.7559,

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

20.4966, 19.7559, 22.1350

Protanopia

19.1680, 19.7627, 23.2264

Deuteranopia

20.1300, 19.7427, 22.1518



Tritanopia

20.6257, 19.8075, 22.8148

Trichromacy



Original Color

20.4966, 19.7559, 22.1350

Protanomaly

19.7214, 19.8742, 22.8753

Deuteranomaly

20.2902, 19.8252, 22.1593

Tritanomaly

20.5609, 19.7816, 22.4732

Monochromacy



Original Color

20.4966, 19.7559, 22.1350

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 20.4966, 19.7559, 22.1350 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(137, 118, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 118, 125) }
```

Border

The CSS property to change the border of an element to XYZ 20.4966, 19.7559, 22.1350 is called "border". The border property can be set on classes, ids or directly on the HTML element.

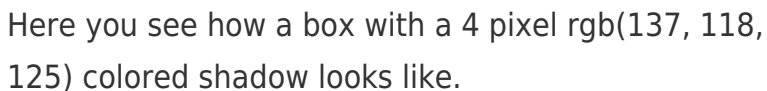
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 118, 125) }
```


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

```
.border{ border-color:rgb(137, 118, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 118, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 118, 125); box-shadow:4px 4px 4px 4px rgb(137, 118, 125) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4966, 19.7559, 22.1350 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, 125) }
```

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

```
.background{ background-color: rgb(137,  
118, 125) }
```

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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