

Converting Colors

XYZ(20.2932, 19.7188, 21.1348)

Have a look what the booklet for
XYZ(20.2932, 19.7188, 21.1348)
contains.

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Color

**XYZ(20.3078, 19.6804,
21.1407)**

Conversions

Conversions Part 1

Format	Color
Hex	89767A
RGB	137, 118, 122
RGB Percent	54%, 46%, 48%
CMY	0.4627, 0.5372, 0.5216
CMYK	0.00, 0.14, 0.11, 0.46
HSL	347°, 7%, 50%
HSV	347°, 14%, 54%
XYZ	20.3078, 19.6804, 21.1407
YIQ	124.1370, 10.0400, 5.2720

Conversions

Conversions Part 2

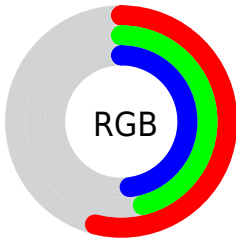
Format	Color
R_{YB}	137, 118, 122
Decimal	9008762
CIE _{Lab}	51.47, 8.08, 0.52
CIE _{LCh}	51, 8.094, 3.707
Yxy	19.6804, 0.3322, 0.3219
Android (android.graphics.Color)	4287198842 (0xFF89767A)
YUV	124.1370, -1.0535, 11.2809
Hunter-Lab	44.3626, 4.0771, 2.7996

Details

The XYZ color **20.3078, 19.6804, 21.1407** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.6513, 23.4368, 25.6268**, and the grayscale version is **19.2054, 20.2055, 22.0038**.

A 20% lighter version of the original color is **43.2499, 42.7526, 46.0170**, and **7.3232, 6.8876, 7.2468** is the 20% darker color. If you saturate the color by 10%, you get **18.1769, 16.4320, 17.3056**, and if you desaturate by 10%, it is **22.7488, 23.4291, 25.4478**.

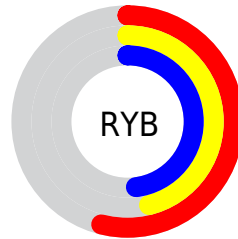
Distribution



Red (54%)

Green (46%)

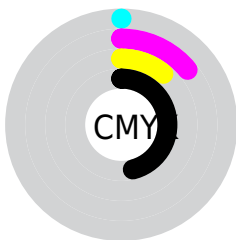
Blue (48%)



Red (54%)

Yellow (46%)

Blue (48%)

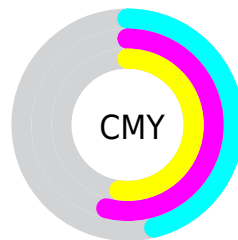


Cyan (0%)

Magenta (14%)

Yellow (11%)

Black (46%)



Cyan (46%)

Magenta (54%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3078, 19.6804, 21.1407 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 20.3078, 19.6804, 21.1407 by changing the saturation by 10% instead.

■ 20.3078, 19.6804,
21.1407

■ 20.3078, 19.6804,
21.1407

246.3785,
250.1796, 270.8309

■ 12.7285, 12.1629,
13.0346

■ 43.4326, 42.8807,
46.2054

■ 7.3176, 6.8547,
7.3214

■ 59.7090, 59.3323,
64.0011

■ 3.7096, 3.3714,
3.5824

■ 79.6150, 79.5308,
85.8638

■ 1.5392, 1.3286,
1.3992

103.5161,
103.8605, 112.2121

■ 0.3523, 0.1632,
0.1411

131.7777,
132.7059, 143.4643

■ 0.0000, 0.0000,
0.0000

164.7650,

166.4512, 180.0392

202.8435,
205.4810, 222.3552

■ 20.3078, 19.6804,
21.1407

■ 20.3078, 19.6804,
21.1407

■ 18.1769, 16.4320,
17.3056

■ 22.7488, 23.4291,
25.4478

■ 16.3419, 13.6602,
13.9251

■ 25.5100, 27.6953,
30.2409

■ 14.7900, 11.3432,
10.9824

■ 28.6031, 32.4986,
35.5353

■ 13.5069, 9.4566,
8.4594

■ 32.0387, 37.8568,
41.3448

■ 12.4768, 7.9737,
6.3366

■ 35.8270, 43.7869,
47.6831

■ 11.6825, 6.8647,
4.5928

■ 39.9776, 50.3052,
54.5632

■ 11.1042, 6.0956,
3.2051

■ 44.4999, 57.4273,
61.9974

■ 10.7181, 5.6249,
2.1471

■ 49.4028, 65.1682,
69.9980

■ 10.5362, 5.4063,
1.6394

■ 54.6952, 73.5424,
78.5768

Harmonies

Analogous

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



20.1410, 19.6804, 23.4715



20.3078, 19.6804, 21.1407



20.0351, 19.6804, 19.0411

Triad

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



20.3078, 19.6804, 21.1407



17.8522, 19.6804, 17.9190



18.0223, 19.6804, 25.6940

Complementary

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



20.3078, 19.6804, 21.1407



20.6513, 23.4368, 25.6268

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.



17.4363, 19.6804, 24.0078



20.3078, 19.6804, 21.1407



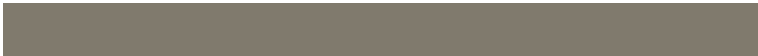
17.3401, 19.6804, 19.5078

Square

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



20.3078, 19.6804, 21.1407



18.6048, 19.6804, 17.2679



17.1900, 19.6804, 21.7191



18.8068, 19.6804, 26.2091

Rectangle

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



20.3078, 19.6804, 21.1407



19.6454, 19.6804, 18.0219



17.1900, 19.6804, 21.7191



17.7964, 19.6804, 25.2396

Sweetspot

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



20.3084, 19.6813, 21.1411



40.6356, 41.7981, 45.3915



20.6489, 19.7410, 26.3891



9.0444, 9.2673, 10.0585



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.



20.3084, 19.6813, 21.1411



34.9671, 33.1038, 35.3549



20.7178, 20.8884, 20.0806



5.0731, 5.0647, 5.4737



9.8182, 5.0374, 1.5473



0.0697, 0.0353, 0.0339

Inverse Universe

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



20.3084, 19.6813, 21.1411



34.9671, 33.1038, 35.3549



20.1866, 22.0571, 26.8606



5.0731, 5.0647, 5.4737



9.8182, 5.0374, 1.5473



0.0697, 0.0353, 0.0339

Previews

White Background



This preview shows how the XYZ color 20.3078, 19.6804, 21.1407 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 20.3078, 19.6804, 21.1407 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

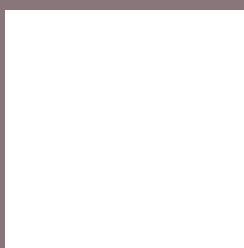
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3078, 19.6804, 21.1407

Background



This preview shows how black text looks on a background with the XYZ color 20.3078, 19.6804, 21.1407.



This preview shows how white text looks on a background with the XYZ color 20.3078, 19.6804,

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

20.3078, 19.6804, 21.1407

Protanopia

18.9098, 19.6594, 21.8668

Deuteranopia

20.1014, 19.7497, 21.1650



Tritanopia

20.6084, 19.6322, 22.4419

Trichromacy



Original Color

20.3078, 19.6804, 21.1407

Protanomaly

19.4658, 19.7719, 21.5293

Deuteranomaly

20.2630, 19.8330, 21.1725

Tritanomaly

20.5442, 19.6065, 22.1037

Monochromacy



Original Color

20.3078, 19.6804, 21.1407

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.5879, 20.0163, 21.5700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3078, 19.6804, 21.1407 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(137, 118, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 118, 122) }
```

Border

The CSS property to change the border of an element to XYZ 20.3078, 19.6804, 21.1407 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, 122) }
```


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

```
.border{ border-color:rgb(137, 118, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 118, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 118, 122);  
box-shadow:4px 4px 4px 4px rgb(137, 118,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3078, 19.6804, 21.1407 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, 122) }
```

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

```
.background{ background-color: rgb(137,  
118, 122) }
```

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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