

Converting Colors

XYZ(20.3329, 20.3070, 20.5472)

Have a look what the booklet for
XYZ(20.3329, 20.3070, 20.5472)
contains.

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Color

**XYZ(20.3809, 20.2651,
20.6067)**

Conversions

Conversions Part 1

Format	Color
Hex	887978
RGB	136, 121, 120
RGB Percent	53%, 47%, 47%
CMY	0.4667, 0.5255, 0.5294
CMYK	0.00, 0.11, 0.12, 0.47
HSL	4°, 6%, 50%
HSV	4°, 12%, 53%
XYZ	20.3809, 20.2651, 20.6067
YIQ	125.3710, 9.2610, 2.8690

Conversions

Conversions Part 2

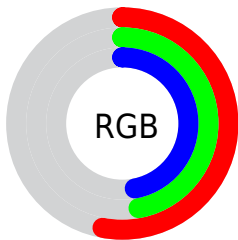
Format	Color
RYB	136, 121, 120
Decimal	8943992
CIELab	52.14, 5.58, 2.65
CIELCh	52, 6.179, 25.371
Yxy	20.2651, 0.3327, 0.3308
Android (android.graphics.Color)	4287134072 (0xFF887978)
YUV	125.3710, -2.6479, 9.3216
Hunter-Lab	45.0168, 2.0348, 4.3714

Details

The XYZ color **20.3809, 20.2651, 20.6067** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.8535, 23.0981, 26.6520**, and the grayscale version is **19.6250, 20.6471, 22.4847**.

A 20% lighter version of the original color is **43.3762, 43.6845, 45.1755**, and **7.3248, 7.0810, 7.1116** is the 20% darker color. If you saturate the color by 10%, you get **18.1654, 17.0624, 16.0812**, and if you desaturate by 10%, it is **22.9195, 23.9260, 25.8188**.

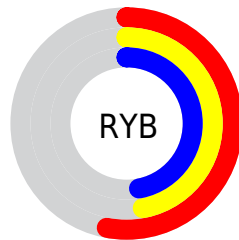
Distribution



Red (53%)

Green (47%)

Blue (47%)



Red (53%)

Yellow (47%)

Blue (47%)

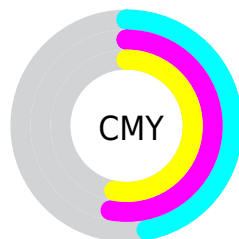


Cyan (0%)

Magenta (11%)

Yellow (12%)

Black (47%)



Cyan (47%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3809, 20.2651, 20.6067 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 20.3809, 20.2651, 20.6067 by changing the saturation by 10% instead.

■ 20.3809, 20.2651,
20.6067

■ 20.3809, 20.2651,
20.6067

246.7642,
253.3467, 267.8929

■ 12.7821, 12.5879,
12.6484

■ 43.5540, 43.8612,
45.3043

■ 7.3546, 7.1454,
7.0590

■ 59.8589, 60.5489,
62.8807

■ 3.7332, 3.5532,
3.4200

■ 79.7967, 81.0088,
84.5002

■ 1.5523, 1.4269,
1.3129

103.7325,
105.6255, 110.5813

■ 0.3610, 0.2364,
0.0723

132.0318,
134.7832, 141.5426

■ 0.0000, 0.0000,
0.0000

165.0600,

168.8664, 177.8026

203.1823,
208.2594, 219.7798

■ 20.3809, 20.2651,
20.6067

■ 20.3809, 20.2651,
20.6067

■ 18.1654, 17.0624,
16.0812

■ 22.9195, 23.9260,
25.8188

■ 16.2585, 14.2973,
12.2125

■ 25.7917, 28.0592,
31.7432

■ 14.6470, 11.9516,
8.9704

■ 29.0096, 32.6818,
38.4056

■ 13.3160, 10.0048,
6.3221

■ 32.5841, 37.8090,
45.8303

■ 12.2495, 8.4347,
4.2313

■ 36.5258, 43.4555,
54.0403

■ 11.4298, 7.2169,
2.6584

■ 40.8447, 49.6353,
63.0578

■ 10.8371, 6.3242,
1.5580

■ 45.5505, 56.3619,
72.9039

■ 10.4482, 5.7254,
0.8772

■ 50.6525, 63.6482,
83.5991

■ 10.2459, 5.4193,
0.5060

■ 56.1597, 71.5070,
95.1632

Harmonies

Analogous

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



20.4988, 20.2651, 22.3474



20.3809, 20.2651, 20.6067



19.9605, 20.2651, 19.3224

Triad

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



20.3809, 20.2651, 20.6067



18.2782, 20.2651, 20.1452



19.1634, 20.2651, 25.7209

Complementary

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



20.3809, 20.2651, 20.6067



20.8535, 23.0981, 26.6520

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.



18.5787, 20.2651, 25.0561



20.3809, 20.2651, 20.6067



18.0748, 20.2651, 21.7854

Square

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



20.3809, 20.2651, 20.6067



18.7451, 20.2651, 19.0663



18.1836, 20.2651, 23.5910



19.7870, 20.2651, 25.3632

Rectangle

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



20.3809, 20.2651, 20.6067



19.5701, 20.2651, 18.8648



18.1836, 20.2651, 23.5910



18.9559, 20.2651, 25.6086

Sweetspot

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



20.3815, 20.2660, 20.6071



39.3001, 40.5930, 43.2567



21.2573, 20.4224, 25.8173



9.0289, 9.2963, 9.8686



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.



20.3815, 20.2660, 20.6071



34.8733, 34.2058, 34.1777



21.3677, 22.2384, 20.9359



5.0564, 5.0957, 5.2695



9.7000, 5.1344, 0.4798



0.0673, 0.0398, 0.0041

Inverse Universe

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



20.8535, 23.0981, 26.6520



35.8676, 40.1717, 46.9118



19.8052, 21.0014, 26.3026



5.1465, 5.6359, 6.4224



11.4502, 16.1707, 24.5635



0.0798, 0.1150, 0.1644

Previews

White Background



This preview shows how the XYZ color 20.3809, 20.2651, 20.6067 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 20.3809, 20.2651, 20.6067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

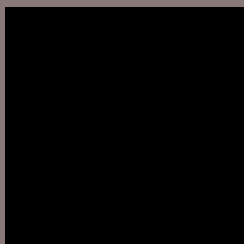
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3809, 20.2651, 20.6067

Background



This preview shows how black text looks on a background with the XYZ color 20.3809, 20.2651, 20.6067.



This preview shows how white text looks on a background with the XYZ color 20.3809, 20.2651,

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

20.3809, 20.2651, 20.6067

Protanopia

19.4729, 20.3325, 21.3106

Deuteranopia

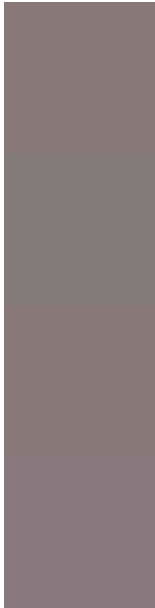
20.5879, 20.1923, 20.5817



Tritanopia

20.9954, 20.3363, 23.5876

Trichromacy



Original Color

20.3809, 20.2651, 20.6067

Protanomaly

19.7401, 20.2922, 20.9655

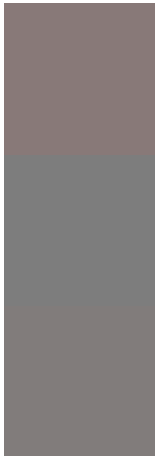
Deuteranomaly

20.4232, 20.1074, 20.5740

Tritanomaly

20.7989, 20.2577, 22.5526

Monochromacy



Original Color

20.3809, 20.2651, 20.6067

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8361, 20.5125, 21.6527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3809, 20.2651, 20.6067 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(136, 121, 120)` looks like.

```
.text, #text, p{  
    color:rgb(136, 121, 120)  
}
```

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(136, 121, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 121, 120) }
```

Border

The CSS property to change the border of an element to XYZ 20.3809, 20.2651, 20.6067 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(136, 121, 120) }
```


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

```
.border{ border-color:rgb(136, 121, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 121, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 121, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 121, 120);  
box-shadow:4px 4px 4px 4px rgb(136, 121,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3809, 20.2651, 20.6067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 121, 120) }
```

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

```
.background{ background-color: rgb(136,  
121, 120) }
```

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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