

Converting Colors

XYZ(38.8411, 39.0441, 51.5476)

Have a look what the booklet for
XYZ(38.8411, 39.0441, 51.5476)
contains.

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Color

**XYZ(38.7897, 38.9591,
51.3744)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA5B9
RGB	170, 165, 185
RGB Percent	67%, 65%, 73%
CMY	0.3333, 0.3529, 0.2745
CMYK	0.08, 0.11, 0.00, 0.27
HSL	255°, 12%, 69%
HSV	255°, 11%, 73%
XYZ	38.7897, 38.9591, 51.3744
YIQ	168.7750, -3.4400, 7.2800

Conversions

Conversions Part 2

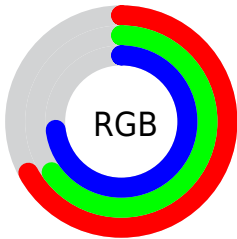
Format	Color
R_{YB}	170, 165, 185
Decimal	11183545
CIE Lab	68.72, 5.70, -9.63
CIE LCh	69, 11.189, 300.610
Yxy	38.9591, 0.3004, 0.3017
Android (android.graphics.Color)	4289373625 (0xFFAAA5B9)
YUV	168.7750, 7.9989, 1.0743
Hunter-Lab	62.4172, 1.7002, -5.1084

Details

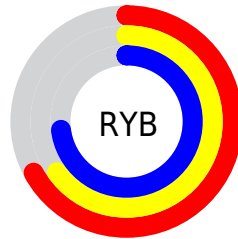
The XYZ color **38.7897, 38.9591, 51.3744** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.9642, 47.1189, 42.4296**, and the grayscale version is **37.5649, 39.5212, 43.0385**.

A 20% lighter version of the original color is **72.5217, 73.5448, 93.5924**, and **17.5412, 17.3277, 24.2499** is the 20% darker color. If you saturate the color by 10%, you get **32.8484, 31.2967, 50.2092**, and if you desaturate by 10%, it is **45.5327, 47.7534, 52.7171**.

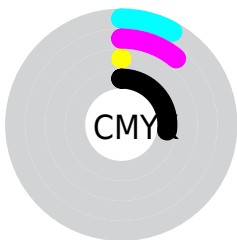
Distribution



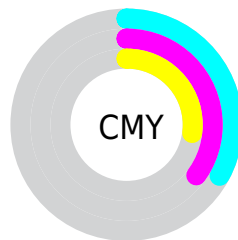
- Red (67%)
- Green (65%)
- Blue (73%)



- Red (67%)
- Yellow (65%)
- Blue (73%)



- Cyan (8%)
- Magenta (11%)
- Yellow (0%)
- Black (27%)



- Cyan (33%)
- Magenta (35%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7897, 38.9591, 51.3744 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 38.7897, 38.9591, 51.3744 by changing the saturation by 10% instead.

■ 38.7897, 38.9591,
51.3744

■ 38.7897, 38.9591,
51.3744

332.2181,
341.7166, 408.9047

■ 26.7762, 26.7279,
36.1279

■ 72.6131, 73.5758,
93.6251

■ 17.5409, 17.3690,
24.2425

■ 95.1536, 96.7302,
121.4664

■ 10.7186, 10.4979,
15.2997

121.9339,
124.2943, 154.3430

■ 5.9438, 5.7303,
8.8811

153.3192,
156.6527, 192.6734

■ 2.8513, 2.6818,
4.5679

189.6749,
194.1898, 236.8763

■ 1.0756, 0.9680,
1.9418

231.3664,

■ 0.0046, 0.0000,

237.2898, 287.3701

0.5191

278.7590,
286.3373, 344.5734

■ 0.0000, 0.0000,
0.0000

■ 38.7897, 38.9591,
51.3744

■ 38.7897, 38.9591,
51.3744

■ 32.8484, 31.2967,
50.2092

■ 45.5327, 47.7534,
52.7171

■ 27.6748, 24.7150,
49.2114

■ 53.1026, 57.7183,
54.2415

■ 23.2378, 19.1660,
48.3742

■ 61.5280, 68.8966,
55.9551

■ 19.5026, 14.5964,
47.6891

■ 70.8347, 81.3276,
57.8640

■ 16.4314, 10.9477,
47.1467

■ 80.2434, 93.4405,
59.7061

■ 13.9829, 8.1554,
46.7367

■ 85.1199, 95.9544,
59.9343

■ 12.1106, 6.1460,
46.4476

■ 85.7571, 96.2828,
59.9641

■ 10.7606, 4.8333,
46.2654

■ 9.8945, 4.0892,
46.1674

Harmonies

Analogous

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



37.0657, 38.9591, 52.9325



38.7897, 38.9591, 51.3744



40.0749, 38.9591, 47.3856

Triad

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



38.7897, 38.9591, 51.3744



38.7250, 38.9591, 34.4810



33.7293, 38.9591, 42.5236

Complementary

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



38.7897, 38.9591, 51.3744



42.9642, 47.1189, 42.4296

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.



34.1424, 38.9591, 37.8137



38.7897, 38.9591, 51.3744



36.9932, 38.9591, 33.4002

Square

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



38.7897, 38.9591, 51.3744



40.0367, 38.9591, 37.6475



35.3233, 38.9591, 34.5714



34.1767, 38.9591, 47.5793

Rectangle

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



38.7897, 38.9591, 51.3744



40.4900, 38.9591, 44.0302



35.3233, 38.9591, 34.5714



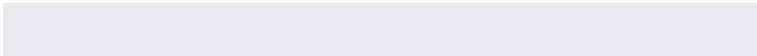
33.7720, 38.9591, 40.8492

Sweetspot

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



38.7909, 38.9607, 51.3753



78.7161, 81.8180, 93.8483



40.6639, 44.2806, 52.3034



16.7545, 17.3571, 20.1888



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



38.7909, 38.9607, 51.3753



66.7868, 66.2973, 91.4812



40.9582, 40.0781, 51.4767



8.7258, 8.8250, 11.3229



6.7947, 2.8140, 31.4381



0.2980, 0.1293, 1.1110

Inverse Universe

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



41.7023, 40.5215, 48.8053



73.0739, 69.6690, 85.8745



40.7915, 45.9988, 42.3279



9.2824, 9.1233, 10.8347



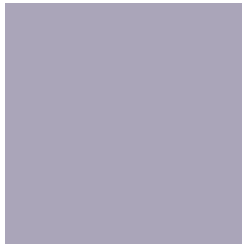
16.8151, 8.2998, 17.4450



0.6160, 0.3019, 0.7372

Previews

White Background



This preview shows how the XYZ color 38.7897, 38.9591, 51.3744 looks on a white background.

Color Contrast Check

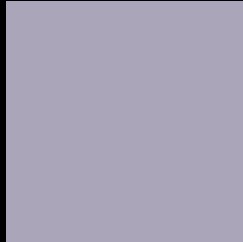
Large Text (above 18pt) WCAG AA × Fail

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 38.7897, 38.9591, 51.3744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

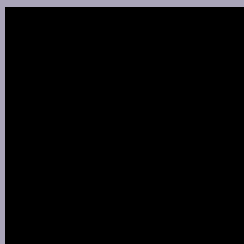
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7897, 38.9591, 51.3744

Background



This preview shows how black text looks on a background with the XYZ color 38.7897, 38.9591, 51.3744.



This preview shows how white text looks on a background with the XYZ color 38.7897, 38.9591,

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

38.7897, 38.9591, 51.3744

Protanopia

38.0162, 38.8169, 51.9431

Deuteranopia

39.7586, 38.9273, 51.3171



Tritanopia

38.1351, 38.9621, 48.1583

Trichromacy



Original Color

38.7897, 38.9591, 51.3744

Protanomaly

38.4355, 39.0331, 51.9627

Deuteranomaly

39.4880, 39.0524, 51.3556

Tritanomaly

38.3389, 39.0436, 49.2316

Monochromacy



Original Color

38.7897, 38.9591, 51.3744

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.1027, 39.5354, 46.1803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7897, 38.9591, 51.3744 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(170, 165, 185)` looks like.

```
.text, #text, p{  
    color:rgb(170, 165, 185)  
}
```

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(170, 165, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 165, 185) }
```

Border

The CSS property to change the border of an element to XYZ 38.7897, 38.9591, 51.3744 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(170, 165, 185) }
```


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

```
.border{ border-color:rgb(170, 165, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 165, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 165, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 165, 185);  
box-shadow:4px 4px 4px 4px rgb(170, 165,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7897, 38.9591, 51.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 165, 185) }
```

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

```
.background{ background-color: rgb(170,  
165, 185) }
```

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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