

Converting Colors

XYZ(47.8823, 51.1335, 51.6123)

Have a look what the booklet for
XYZ(47.8823, 51.1335, 51.6123)
contains.

XYZ(47.8432, 51.0231, 51.5828)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.8432, 51.0231,
51.5828)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBEB6
RGB	189, 190, 182
RGB Percent	74%, 75%, 71%
CMY	0.2588, 0.2549, 0.2863
CMYK	0.01, 0.00, 0.04, 0.25
HSL	68°, 6%, 73%
HSV	68°, 4%, 75%
XYZ	47.8432, 51.0231, 51.5828
YIQ	188.7890, 1.9720, -2.7000

Conversions

Conversions Part 2

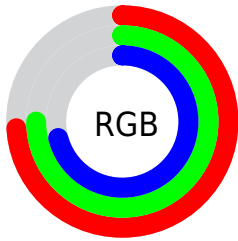
Format	Color
RYB	182, 190, 183
Decimal	12435126
CIELab	76.69, -1.80, 3.90
CIELCh	77, 4.299, 114.760
Yxy	51.0231, 0.3180, 0.3391
Android (android.graphics.Color)	4290625206 (0xFFBDBEB6)
YUV	188.7890, -3.3470, 0.1850
Hunter-Lab	71.4305, -5.4463, 7.1856

Details

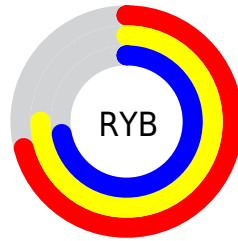
The XYZ color **47.8432, 51.0231, 51.5828** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.5526, 47.2422, 55.4356**, and the grayscale version is **48.2681, 50.7818, 55.3014**.

A 20% lighter version of the original color is **86.0446, 91.4971, 94.0146**, and **23.0615, 24.7105, 24.3230** is the 20% darker color. If you saturate the color by 10%, you get **45.4257, 49.9900, 41.9056**, and if you desaturate by 10%, it is **50.5397, 52.1722, 62.6660**.

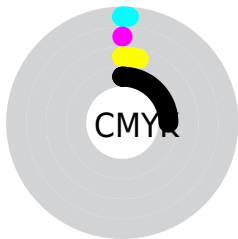
Distribution



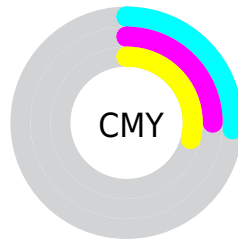
- Red (74%)
- Green (75%)
- Blue (71%)



- Red (71%)
- Yellow (75%)
- Blue (72%)



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)



- Cyan (26%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8432, 51.0231, 51.5828 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 47.8432, 51.0231, 51.5828 by changing the saturation by 10% instead.

■ 47.8432, 51.0231,
51.5828

■ 47.8432, 51.0231,
51.5828

368.7632,
390.6535, 409.7349

■ 33.9135, 36.2270,
36.2927

■ 86.1820, 91.6889,
93.9360

■ 22.9897, 24.6096,
24.3689

111.3218,
118.3274, 121.8361

■ 14.7066, 15.7864,
15.3927

140.9290,
149.6822, 154.7767

■ 8.6987, 9.3731,
8.9458

175.3689,
186.1376, 193.1762

■ 4.6007, 4.9854,
4.6095

215.0069,
228.0780, 237.4533

■ 2.0473, 2.2387,
1.9653

260.2084,

■ 0.6603, 0.7410,

275.8879, 288.0264

0.5338

311.3387,
329.9516, 345.3141

■ 0.0000, 0.0000,
0.0000

■ 47.8432, 51.0231,
51.5828

■ 47.8432, 51.0231,
51.5828

■ 45.4257, 49.9900,
41.9056

■ 50.5397, 52.1722,
62.6660

■ 43.2723, 49.0621,
33.5750

■ 53.5211, 53.4347,
75.2048

■ 41.3730, 48.2369,
26.5321

■ 56.7984, 54.8167,
89.2506

■ 39.7155, 47.5095,
20.7126

■ 59.8933, 56.1269,
102.2846

■ 38.2864, 46.8746,
16.0464

■ 60.5285, 56.4544,
102.3143

■ 37.0712, 46.3263,
12.4566

■ 61.1736, 56.7870,
102.3445

■ 36.0533, 45.8580,
9.8568

■ 61.8287, 57.1247,
102.3752

■ 35.2137, 45.4622,
8.1473

■ 62.4939, 57.4676,
102.4063

■ 34.5296, 45.1296,
7.2075

■ 63.1691, 57.8156,
102.4379

Harmonies

Analogous

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



48.6390, 51.0231, 51.2092



47.8432, 51.0231, 51.5828



47.2285, 51.0231, 53.0085

Triad

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



47.8432, 51.0231, 51.5828



47.5982, 51.0231, 59.2984



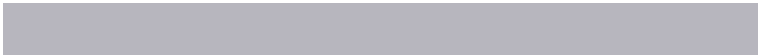
50.0717, 51.0231, 55.9659

Complementary

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



47.8432, 51.0231, 51.5828



45.5526, 47.2422, 55.4356

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.



49.7858, 51.0231, 58.1828



47.8432, 51.0231, 51.5828



48.3531, 51.0231, 60.1409

Square

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



47.8432, 51.0231, 51.5828



47.0882, 51.0231, 57.4545



49.1546, 51.0231, 59.7271



49.9315, 51.0231, 53.6988

Rectangle

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



47.8432, 51.0231, 51.5828



47.0011, 51.0231, 54.3853



49.1546, 51.0231, 59.7271



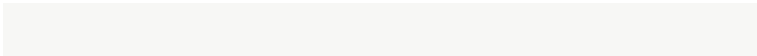
50.0221, 51.0231, 56.7423

Sweetspot

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



47.8446, 51.0253, 51.5839



88.2023, 93.1022, 99.6092



46.6001, 48.1654, 51.0975



19.3738, 20.4467, 21.8951



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



47.8446, 51.0253, 51.5839



86.2964, 92.2895, 91.8494



46.8824, 50.5293, 51.5389



10.4033, 11.1446, 10.9857



22.7709, 29.9147, 4.5740



0.9254, 1.1890, 0.1807

Inverse Universe

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



45.5526, 47.2422, 55.4356



81.3153, 84.0680, 100.2201



46.5010, 47.7312, 55.4800



9.7409, 10.0512, 12.0989



6.4651, 2.6189, 32.5577



0.2901, 0.1216, 1.2770

Previews

White Background



This preview shows how the XYZ color 47.8432, 51.0231, 51.5828 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 47.8432, 51.0231, 51.5828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

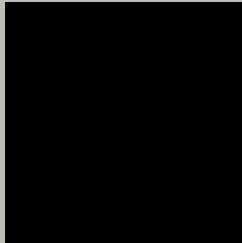
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

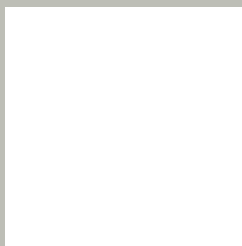
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8432, 51.0231, 51.5828

Background



This preview shows how black text looks on a background with the XYZ color 47.8432, 51.0231, 51.5828.

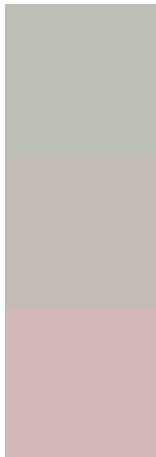


This preview shows how white text looks on a background with the XYZ color 47.8432, 51.0231,

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

47.8432, 51.0231, 51.5828

Protanopia

48.5718, 50.7720, 50.9560

Deuteranopia

52.0591, 50.9875, 51.8975



Tritanopia

50.1692, 51.0114, 63.0791

Trichromacy



Original Color

47.8432, 51.0231, 51.5828

Protanomaly

48.2763, 50.9379, 51.0036

Deuteranomaly

50.4633, 51.0933, 52.0020

Tritanomaly

49.3194, 50.9829, 58.8710

Monochromacy



Original Color

47.8432, 51.0231, 51.5828

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.0468, 50.7592, 53.7195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8432, 51.0231, 51.5828 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(189, 190, 182)` looks like.

```
.text, #text, p{  
    color:rgb(189, 190, 182)  
}
```

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(189, 190, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 190, 182) }
```

Border

The CSS property to change the border of an element to XYZ 47.8432, 51.0231, 51.5828 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(189, 190, 182) }
```


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

```
.border{ border-color:rgb(189, 190, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 190, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 190, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 190, 182);  
box-shadow:4px 4px 4px 4px rgb(189, 190,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8432, 51.0231, 51.5828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 190, 182) }
```

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

```
.background{ background-color: rgb(189,  
190, 182) }
```

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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