

Converting Colors

XYZ(47.2938, 50.9287, 68.3674)

Have a look what the booklet for
XYZ(47.2938, 50.9287, 68.3674)
contains.

XYZ(47.2771, 51.0103, 68.3270)	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(47.2771, 51.0103,
68.3270)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC0D2
RGB	171, 192, 210
RGB Percent	67%, 75%, 82%
CMY	0.3294, 0.2470, 0.1765
CMYK	0.19, 0.09, 0.00, 0.18
HSL	208°, 30%, 75%
HSV	208°, 19%, 82%
XYZ	47.2771, 51.0103, 68.3270
YIQ	187.7730, -18.2940, 1.1460

Conversions

Conversions Part 2

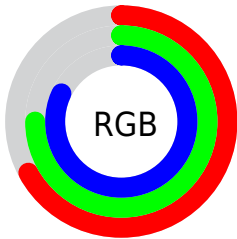
Format	Color
R_{YB}	171, 185, 210
Decimal	11256018
CIE _{Lab}	76.69, -3.34, -11.43
CIE _{LCh}	77, 11.904, 253.695
Yxy	51.0103, 0.2838, 0.3062
Android (android.graphics.Color)	4289446098 (0xFFABC0D2)
YUV	187.7730, 10.9579, -14.7099
Hunter-Lab	71.4215, -6.8304, -6.7261

Details

The XYZ color **47.2771, 51.0103, 68.3270** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.1272, 53.0373, 46.0191**, and the grayscale version is **47.6196, 50.0996, 54.5584**.

A 20% lighter version of the original color is **83.2960, 90.6857, 107.7217**, and **22.7046, 24.7171, 35.0267** is the 20% darker color. If you saturate the color by 10%, you get **41.0032, 44.7216, 67.4446**, and if you desaturate by 10%, it is **54.4210, 57.9581, 69.2924**.

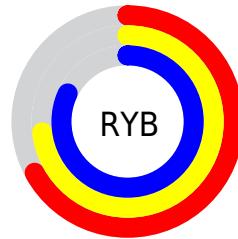
Distribution



Red (67%)

Green (75%)

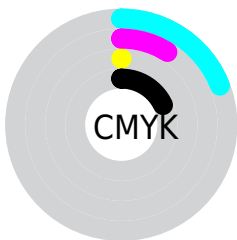
Blue (82%)



Red (67%)

Yellow (73%)

Blue (82%)

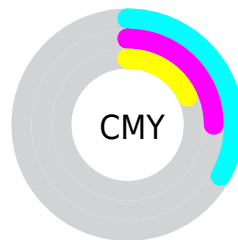


Cyan (19%)

Magenta (9%)

Yellow (0%)

Black (18%)



Cyan (33%)

Magenta (25%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2771, 51.0103, 68.3270 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 47.2771, 51.0103, 68.3270 by changing the saturation by 10% instead.

■ 47.2771, 51.0103,
68.3270

■ 47.2771, 51.0103,
68.3270

366.5500,
390.6038, 473.2832

■ 33.4636, 36.2168,
49.6955

■ 85.3433, 91.6700,
118.4785

■ 22.6428, 24.6017,
34.8020

110.3268,
118.3050, 150.8354

■ 14.4492, 15.7805,
23.2281

139.7643,
149.6559, 188.6047

■ 8.5175, 9.3690,
14.5551

174.0212,
186.1072, 232.2047

■ 4.4824, 4.9826,
8.3646

213.4629,
228.0433, 282.0540

■ 1.9785, 2.2371,
4.2380

258.4547,

■ 0.6219, 0.7401,

275.8485, 338.5712

1.7568

309.3619,
329.9072, 402.1747

■ 0.0000, 0.0000,
0.3992

■ 0.0000, 0.0000,
0.0000

■ 47.2771, 51.0103,
68.3270

■ 47.2771, 51.0103,
68.3270

■ 41.0032, 44.7216,
67.4446

■ 54.4210, 57.9581,
69.2924

■ 35.5577, 39.0627,
66.6394

■ 62.4647, 65.5805,
70.3397

■ 30.9024, 34.0111,
65.9097

■ 71.4426, 73.9000,
71.4723

■ 26.9941, 29.5403,
65.2527

■ 81.3843, 82.9357,
72.6924

■ 23.7848, 25.6213,
64.6654

■ 84.1687, 88.5047,
73.6206

■ 21.2205, 22.2217,
64.1444

■ 87.1057, 94.3785,
74.5995

■ 19.2381, 19.3042,
63.6857

■ 88.6330, 97.4332,
75.1087

■ 17.7415, 16.8144,
63.2840

■ 17.5481, 16.4833,
63.2303

Harmonies

Analogous

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



45.4171, 51.0103, 64.5652



47.2771, 51.0103, 68.3270



49.5171, 51.0103, 68.4952

Triad

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



47.2771, 51.0103, 68.3270



52.8177, 51.0103, 52.6544



45.5509, 51.0103, 47.0416

Complementary

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



47.2771, 51.0103, 68.3270



52.1272, 53.0373, 46.0191

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.



47.4649, 51.0103, 44.3336



47.2771, 51.0103, 68.3270



51.6855, 51.0103, 47.4004

Square

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



47.2771, 51.0103, 68.3270



52.7637, 51.0103, 59.0998



49.7108, 51.0103, 44.4597



44.4418, 51.0103, 52.1291

Rectangle

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



47.2771, 51.0103, 68.3270



50.9282, 51.0103, 66.5222



49.7108, 51.0103, 44.4597



46.1188, 51.0103, 45.8411

Sweetspot

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



47.2786, 51.0124, 68.3281



87.4321, 92.7903, 107.9099



48.9788, 58.4067, 56.5817



18.5433, 19.6980, 23.0747



0.0000, 0.0000, 0.0000



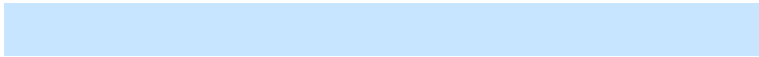
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2786, 51.0124, 68.3281



69.6266, 75.4483, 105.5010



43.3626, 43.1803, 67.0228



11.6834, 12.4571, 15.0323



10.8056, 10.2578, 38.6029



0.6831, 0.7314, 2.1847

Inverse Universe

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



50.6569, 46.6345, 56.2029



75.7987, 67.7242, 83.2868



56.4980, 61.7790, 47.4761



12.0711, 11.9132, 13.6502



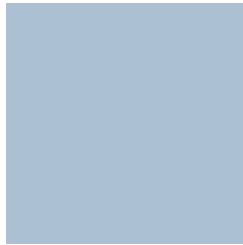
18.0849, 9.1068, 10.6191



1.0510, 0.5251, 0.8036

Previews

White Background



This preview shows how the XYZ color 47.2771, 51.0103, 68.3270 looks on a white background.

Color Contrast Check

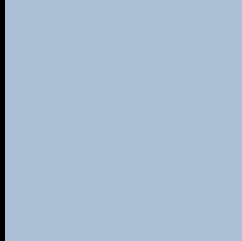
Large Text (above 18pt) WCAG AA × Fail

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 47.2771, 51.0103, 68.3270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

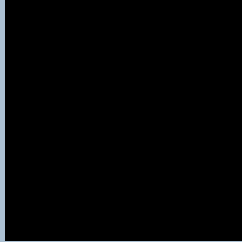
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

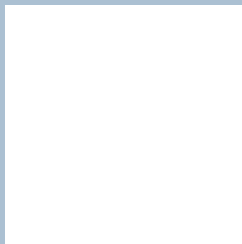
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.2771, 51.0103, 68.3270

Background



This preview shows how black text looks on a background with the XYZ color 47.2771, 51.0103, 68.3270.



This preview shows how white text looks on a background with the XYZ color 47.2771, 51.0103,

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

47.2771, 51.0103, 68.3270

Protanopia

49.7392, 51.0362, 66.2609

Deuteranopia

52.0501, 50.9048, 69.3696



Tritanopia

47.0294, 50.9113, 67.0227

Trichromacy



Original Color

47.2771, 51.0103, 68.3270

Protanomaly

48.6388, 50.7730, 66.9111

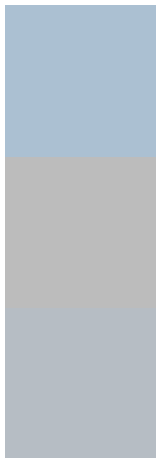
Deuteranomaly

50.2672, 50.9352, 68.8101

Tritanomaly

47.1528, 50.9607, 67.6728

Monochromacy



Original Color

47.2771, 51.0103, 68.3270

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.4528, 50.3258, 59.4374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2771, 51.0103, 68.3270 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(171, 192, 210)` looks like.

```
.text, #text, p{  
    color:rgb(171, 192, 210)  
}
```

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(171, 192, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 192, 210) }
```

Border

The CSS property to change the border of an element to XYZ 47.2771, 51.0103, 68.3270 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(171, 192, 210) }
```


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

```
.border{ border-color:rgb(171, 192, 210) }
```

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

Here you see how a box with a 4 pixel rgb(171, 192, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 192, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 192, 210);  
box-shadow:4px 4px 4px 4px rgb(171, 192,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2771, 51.0103, 68.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 192, 210) }
```

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

```
.background{ background-color: rgb(171,  
192, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor