

Converting Colors

XYZ(48.7670, 51.6490, 63.8997)

Have a look what the booklet for
XYZ(48.7670, 51.6490, 63.8997)
contains.

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Color

**XYZ(48.7017, 51.5185,
63.8771)**

Conversions

Conversions Part 1

Format	Color
Hex	B6BFCB
RGB	182, 191, 203
RGB Percent	71%, 75%, 80%
CMY	0.2863, 0.2510, 0.2039
CMYK	0.10, 0.06, 0.00, 0.20
HSL	214°, 17%, 75%
HSV	214°, 10%, 80%
XYZ	48.7017, 51.5185, 63.8771
YIQ	189.6770, -9.2160, 1.8240

Conversions

Conversions Part 2

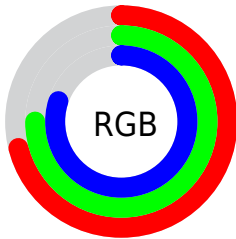
Format	Color
R_{YB}	182, 188, 203
Decimal	11976651
CIE Lab	76.99, -0.72, -7.10
CIE LCh	77, 7.133, 264.169
Yxy	51.5185, 0.2968, 0.3140
Android (android.graphics.Color)	4290166731 (0xFFB6BFCB)
YUV	189.6770, 6.5682, -6.7327
Hunter-Lab	71.7764, -4.4929, -2.5214

Details

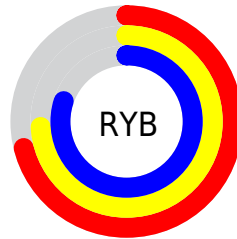
The XYZ color **48.7017, 51.5185, 63.8771** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.3641, 54.6571, 52.0469**, and the grayscale version is **48.7263, 51.2639, 55.8263**.

A 20% lighter version of the original color is **86.5707, 91.9187, 107.7871**, and **23.5666, 25.0140, 32.0199** is the 20% darker color. If you saturate the color by 10%, you get **41.8212, 44.3656, 62.8599**, and if you desaturate by 10%, it is **56.4805, 59.4345, 64.9959**.

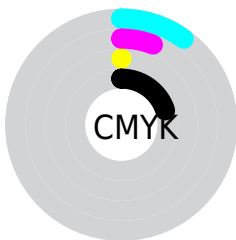
Distribution



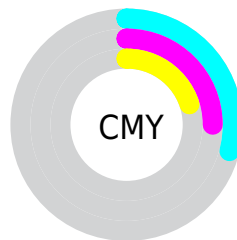
- Red (71%)
- Green (75%)
- Blue (80%)



- Red (71%)
- Yellow (74%)
- Blue (80%)



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)



- Cyan (29%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7017, 51.5185, 63.8771 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 48.7017, 51.5185, 63.8771 by changing the saturation by 10% instead.

■ 48.7017, 51.5185,
63.8771

■ 48.7017, 51.5185,
63.8771

372.1033,
392.5749, 456.9410

■ 34.5965, 36.6214,
46.1056

■ 87.4516, 92.4207,
112.0317

■ 23.5173, 24.9145,
31.9799

112.8271,
119.1947, 143.2518

■ 15.0987, 16.0134,
21.0814

142.6899,
150.6964, 179.7920

■ 8.9755, 9.5336,
12.9917

177.4056,
187.3102, 222.0706

■ 4.7822, 5.0908,
7.2922

217.3394,
229.4206, 270.5063

■ 2.1535, 2.3007,
3.5643

262.8567,

■ 0.7180, 0.7741,

277.4119, 325.5175

1.3895

314.3229,
331.6686, 387.5229

■ 0.0000, 0.0000,
0.1335

■ 0.0000, 0.0000,
0.0000

■ 48.7017, 51.5185,
63.8771

■ 48.7017, 51.5185,
63.8771

■ 41.8212, 44.3656,
62.8599

■ 56.4805, 59.4345,
64.9959

■ 35.8001, 37.9449,
61.9379

■ 65.1855, 68.1306,
66.2156

■ 30.6032, 32.2324,
61.1092

■ 74.8490, 77.6311,
67.5400

■ 26.1909, 27.2005,
60.3705

■ 82.4179, 86.3684,
68.8276

■ 22.5203, 22.8192,
59.7183

■ 85.8925, 93.3176,
69.9858

■ 19.5439, 19.0560,
59.1488

■ 87.7796, 97.0919,
70.6148

■ 17.2077, 15.8747,
58.6579

■ 15.4489, 13.2341,
58.2409

■ 14.1901, 11.1328,
57.9016

Harmonies

Analogous

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



47.4524, 51.5185, 62.3861



48.7017, 51.5185, 63.8771



50.0449, 51.5185, 63.2061

Triad

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



48.7017, 51.5185, 63.8771



51.3906, 51.5185, 53.0852



46.8779, 51.5185, 51.8255

Complementary

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



48.7017, 51.5185, 63.8771



52.3641, 54.6571, 52.0469

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.



47.9043, 51.5185, 49.5381



48.7017, 51.5185, 63.8771



50.5130, 51.5185, 50.2415

Square

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



48.7017, 51.5185, 63.8771



51.6136, 51.5185, 56.8589



49.2328, 51.5185, 48.9719



46.4120, 51.5185, 55.3378

Rectangle

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



48.7017, 51.5185, 63.8771



50.8109, 51.5185, 61.6380



49.2328, 51.5185, 48.9719



47.1679, 51.5185, 50.8945

Sweetspot

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



48.7032, 51.5207, 63.8782



90.9129, 95.8210, 108.3114



50.3746, 56.5484, 59.2408



19.2276, 20.2749, 23.1500



0.0000, 0.0000, 0.0000



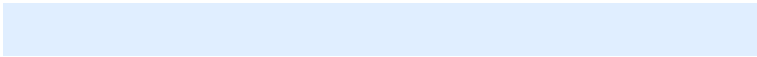
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7032, 51.5207, 63.8782



79.3491, 84.0003, 106.6393



47.1321, 47.8851, 63.2593



10.9906, 11.6216, 14.2343



9.1170, 7.2579, 36.8767



0.5451, 0.5240, 1.9274

Inverse Universe

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



50.7617, 49.9151, 56.2519



83.3652, 80.9314, 91.7460



54.0493, 58.5909, 52.7174



11.4086, 11.2922, 12.6864



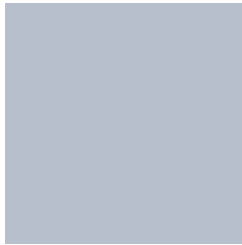
16.8127, 8.5357, 6.7325



0.9051, 0.4554, 0.5462

Previews

White Background



This preview shows how the XYZ color 48.7017, 51.5185, 63.8771 looks on a white background.

Color Contrast Check

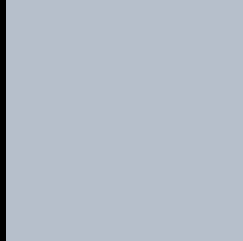
Large Text (above 18pt) WCAG AA × Fail

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 48.7017, 51.5185, 63.8771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

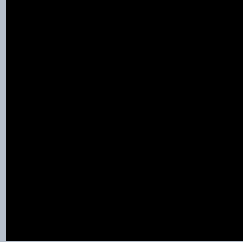
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

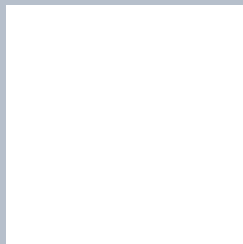
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7017, 51.5185, 63.8771

Background



This preview shows how black text looks on a background with the XYZ color 48.7017, 51.5185, 63.8771.

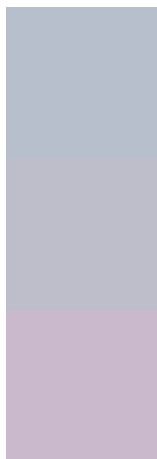


This preview shows how white text looks on a background with the XYZ color 48.7017, 51.5185,

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

48.7017, 51.5185, 63.8771

Protanopia

50.0935, 51.6066, 63.1980

Deuteranopia

52.3967, 51.1972, 64.2472



Tritanopia

49.0628, 51.6629, 65.7786

Trichromacy



Original Color

48.7017, 51.5185, 63.8771

Protanomaly

49.5676, 51.6560, 63.2352

Deuteranomaly

51.1751, 51.5024, 64.3705

Tritanomaly

48.9417, 51.6145, 65.1407

Monochromacy



Original Color

48.7017, 51.5185, 63.8771

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.7573, 51.3318, 58.9680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7017, 51.5185, 63.8771 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(182, 191, 203)` looks like.

```
.text, #text, p{  
    color:rgb(182, 191, 203)  
}
```

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(182, 191, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 191, 203) }
```

Border

The CSS property to change the border of an element to XYZ 48.7017, 51.5185, 63.8771 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(182, 191, 203) }
```


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

```
.border{ border-color:rgb(182, 191, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 191, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 191, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 191, 203);  
box-shadow:4px 4px 4px 4px rgb(182, 191,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7017, 51.5185, 63.8771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 191, 203) }
```

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

```
.background{ background-color: rgb(182,  
191, 203) }
```

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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