

Converting Colors

XYZ(42.8850, 47.6045, 51.6808)

Have a look what the booklet for
XYZ(42.8850, 47.6045, 51.6808)
contains.

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Color

**XYZ(42.8951, 47.5056,
51.7084)**

Conversions

Conversions Part 1

Format	Color
Hex	AABBB7
RGB	170, 187, 183
RGB Percent	67%, 73%, 72%
CMY	0.3333, 0.2666, 0.2823
CMYK	0.09, 0.00, 0.02, 0.27
HSL	166°, 11%, 70%
HSV	166°, 9%, 73%
XYZ	42.8951, 47.5056, 51.7084
YIQ	181.4610, -8.8480, -4.8480

Conversions

Conversions Part 2

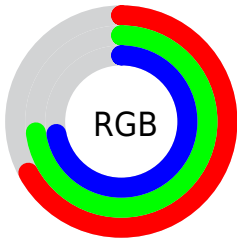
Format	Color
R_{YB}	170, 180, 187
Decimal	11189175
CIE Lab	74.51, -6.61, 0.02
CIE LCh	75, 6.614, 179.851
Yxy	47.5056, 0.3018, 0.3343
Android (android.graphics.Color)	4289379255 (0xFFAABB7)
YUV	181.4610, 0.7587, -10.0513
Hunter-Lab	68.9243, -9.5279, 3.7665

Details

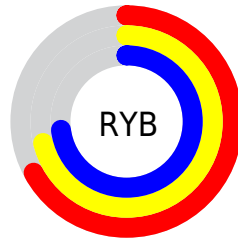
The XYZ color **42.8951, 47.5056, 51.7084** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.5099, 42.3714, 45.9846**, and the grayscale version is **44.1711, 46.4714, 50.6074**.

A 20% lighter version of the original color is **78.6819, 86.3407, 94.1798**, and **20.0256, 22.5135, 24.4092** is the 20% darker color. If you saturate the color by 10%, you get **38.6858, 45.3891, 49.1573**, and if you desaturate by 10%, it is **47.6965, 49.9284, 54.3640**.

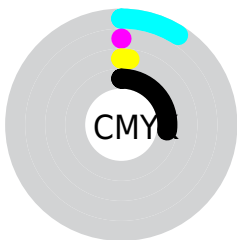
Distribution



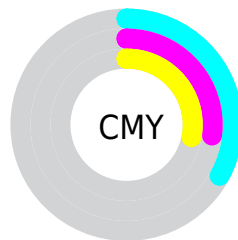
- Red (67%)
- Green (73%)
- Blue (72%)



- Red (67%)
- Yellow (71%)
- Blue (73%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (27%)



- Cyan (33%)
- Magenta (27%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8951, 47.5056, 51.7084 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 42.8951, 47.5056, 51.7084 by changing the saturation by 10% instead.

■ 42.8951, 47.5056,
51.7084

■ 42.8951, 47.5056,
51.7084

349.1090,
376.8291, 410.2347

■ 29.9970, 33.4355,
36.3921

■ 78.8092, 86.4678,
94.1232

■ 19.9844, 22.4603,
24.4451

102.5560,
112.1288, 122.0588

■ 12.4919, 14.1955,
15.4488

130.6496,
142.4222, 155.0379

■ 7.1542, 8.2568,
8.9849

163.4555,
177.7323, 193.4790

■ 3.6059, 4.2597,
4.6346

201.3391,
218.4437, 237.8007

■ 1.4817, 1.8199,
1.9796

244.6656,

■ 0.3133, 0.4995,

264.9407, 288.4216

0.5427

293.8005,
317.6077, 345.7600

■ 0.0000, 0.0000,
0.0000

■ 42.8951, 47.5056,
51.7084

■ 42.8951, 47.5056,
51.7084

■ 38.6858, 45.3891,
49.1573

■ 47.6965, 49.9284,
54.3640

■ 35.0402, 43.5602,
46.7058

■ 53.1089, 52.6631,
57.1227

■ 31.9338, 42.0076,
44.3530

■ 59.1551, 55.7229,
59.9872

■ 29.3385, 40.7169,
42.0970

■ 65.8557, 59.1183,
62.9592

■ 27.2235, 39.6723,
39.9355

■ 70.0324, 61.2109,
65.8905

■ 25.5549, 38.8562,
37.8662

■ 70.5716, 61.4266,
68.7296

■ 24.2942, 38.2487,
35.8867

■ 71.1258, 61.6483,
71.6482

■ 23.3958, 37.8266,
33.9941

■ 71.6952, 61.8761,
74.6467

■ 22.7791, 37.5481,
32.1838

■ 72.2800, 62.1100,
77.7260

Harmonies

Analogous

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



43.1960, 47.5056, 48.4923



42.8951, 47.5056, 51.7084



43.1902, 47.5056, 55.0684

Triad

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



42.8951, 47.5056, 51.7084



46.3053, 47.5056, 57.6415



46.3158, 47.5056, 46.2447

Complementary

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



42.8951, 47.5056, 51.7084



42.5099, 42.3714, 45.9846

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.



47.1737, 47.5056, 48.5208



42.8951, 47.5056, 51.7084



47.1675, 47.5056, 55.0993

Square

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



42.8951, 47.5056, 51.7084



45.1467, 47.5056, 58.5845



47.4880, 47.5056, 51.7426



45.1586, 47.5056, 45.4240

Rectangle

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



42.8951, 47.5056, 51.7084



43.6882, 47.5056, 56.9168



47.4880, 47.5056, 51.7426



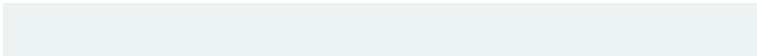
46.6495, 47.5056, 46.8599

Sweetspot

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



42.8964, 47.5076, 51.7094



81.8902, 87.6357, 95.4578



42.5388, 47.4724, 44.9519



17.8792, 19.2210, 20.9365



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



42.8964, 47.5076, 51.7094



75.1651, 84.2464, 91.6385



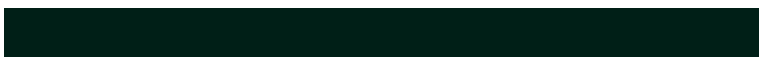
42.4306, 45.8996, 53.6393



9.7099, 10.7701, 11.7218



15.6877, 25.8654, 22.2159



0.6383, 1.0227, 0.9953

Inverse Universe

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



42.5099, 42.3714, 45.9846



74.3262, 73.0971, 79.2119



42.9352, 43.8372, 44.2293



9.6198, 9.5722, 10.3866



14.4576, 7.4142, 2.4376



0.5926, 0.3009, 0.2337

Previews

White Background



This preview shows how the XYZ color 42.8951, 47.5056, 51.7084 looks on a white background.

Color Contrast Check

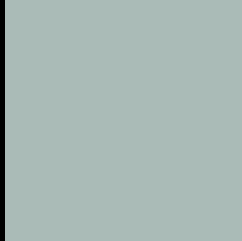
Large Text (above 18pt) WCAG AA × Fail

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 42.8951, 47.5056, 51.7084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

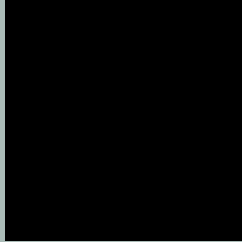
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8951, 47.5056, 51.7084

Background



This preview shows how black text looks on a background with the XYZ color 42.8951, 47.5056, 51.7084.



This preview shows how white text looks on a background with the XYZ color 42.8951, 47.5056,

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

42.8951, 47.5056, 51.7084

Protanopia

45.4597, 47.3160, 49.9169

Deuteranopia

48.2985, 47.2264, 52.4689



Tritanopia

44.8913, 47.7057, 60.8749

Trichromacy



Original Color

42.8951, 47.5056, 51.7084

Protanomaly

44.5370, 47.4409, 50.5257

Deuteranomaly

46.1619, 47.3273, 52.0495

Tritanomaly

44.1978, 47.7387, 57.3371

Monochromacy



Original Color

42.8951, 47.5056, 51.7084

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.5084, 46.5915, 50.9559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8951, 47.5056, 51.7084 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, 187, 183)` looks like.

```
.text, #text, p{  
    color:rgb(170, 187, 183)  
}
```

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, 187, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 187, 183) }
```

Border

The CSS property to change the border of an element to XYZ 42.8951, 47.5056, 51.7084 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, 187, 183) }
```


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

```
.border{ border-color:rgb(170, 187, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 187, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 187, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 187, 183);  
box-shadow:4px 4px 4px 4px rgb(170, 187,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8951, 47.5056, 51.7084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 187, 183) }
```

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

```
.background{ background-color: rgb(170,  
187, 183) }
```

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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