

Converting Colors

XYZ(42.8277, 48.7703, 51.5546)

Have a look what the booklet for
XYZ(42.8277, 48.7703, 51.5546)
contains.

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Color

**XYZ(42.8002, 48.7460,
51.4091)**

Conversions

Conversions Part 1

Format	Color
Hex	A6BFB6
RGB	166, 191, 182
RGB Percent	65%, 75%, 71%
CMY	0.3490, 0.2510, 0.2863
CMYK	0.13, 0.00, 0.05, 0.25
HSL	158°, 16%, 70%
HSV	158°, 13%, 75%
XYZ	42.8002, 48.7460, 51.4091
YIQ	182.4990, -12.0110, -8.0990

Conversions

Conversions Part 2

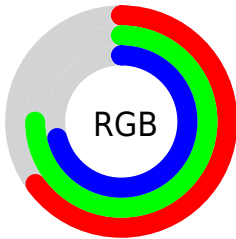
Format	Color
R_YB	166, 181, 191
Decimal	10928054
CIE _{Lab}	75.29, -10.26, 1.67
CIE _{LCh}	75, 10.397, 170.783
Yxy	48.7460, 0.2994, 0.3410
Android (android.graphics.Color)	4289118134 (0xFFA6BFB6)
YUV	182.4990, -0.2460, -14.4696
Hunter-Lab	69.8183, -12.7576, 5.2160

Details

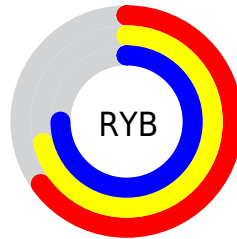
The XYZ color **42.8002, 48.7460, 51.4091** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.8617, 41.4452, 46.3003**, and the grayscale version is **44.7427, 47.0728, 51.2623**.

A 20% lighter version of the original color is **78.5122, 88.0667, 93.7495**, and **19.9904, 23.3393, 24.2202** is the 20% darker color. If you saturate the color by 10%, you get **38.3967, 46.5574, 47.5840**, and if you desaturate by 10%, it is **47.8361, 51.2593, 55.4481**.

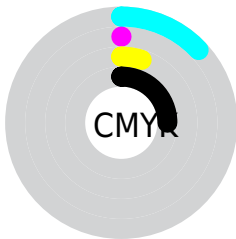
Distribution



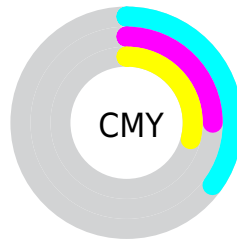
- Red (65%)
- Green (75%)
- Blue (71%)



- Red (65%)
- Yellow (71%)
- Blue (75%)



- Cyan (13%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)



- Cyan (35%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8002, 48.7460, 51.4091 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 42.8002, 48.7460, 51.4091 by changing the saturation by 10% instead.

■ 42.8002, 48.7460,
51.4091

■ 42.8002, 48.7460,
51.4091

348.7249,
381.7415, 409.0430

■ 29.9222, 34.4180,
36.1553

■ 78.6669, 88.3141,
93.6769

■ 19.9273, 23.2149,
24.2635

■ 102.3863,
114.3230, 121.5280

■ 12.4502, 14.7523,
15.3152

130.4502,
144.9944, 154.4152

■ 7.1254, 8.6457,
8.8918

163.2239,
180.7125, 192.7572

■ 3.5877, 4.5108,
4.5748

201.0730,
221.8620, 236.9724

■ 1.4716, 1.9632,
1.9457

244.3625,

■ 0.3064, 0.5860,

268.8270, 287.4794

0.5216

293.4581,
321.9921, 344.6968

■ 0.0000, 0.0000,
0.0000

■ 42.8002, 48.7460,
51.4091

■ 42.8002, 48.7460,
51.4091

■ 38.3967, 46.5574,
47.5840

■ 47.8361, 51.2593,
55.4481

■ 34.5947, 44.6735,
43.9658

■ 53.5252, 54.1039,
59.7014

■ 31.3672, 43.0819,
40.5514

■ 59.8925, 57.2939,
64.1737

■ 28.6831, 41.7666,
37.3368

■ 66.9603, 60.8409,
68.8685

■ 26.5085, 40.7101,
34.3177

■ 72.3168, 63.5014,
73.6753

■ 24.8053, 39.8929,
31.4893

■ 73.2270, 63.8655,
78.4684

■ 23.5299, 39.2926,
28.8467

■ 74.1749, 64.2447,
83.4601

■ 22.6302, 38.8823,
26.3846

■ 75.1609, 64.6391,
88.6525

■ 22.1588, 38.6743,
24.7838

■ 76.1855, 65.0490,
94.0480

Harmonies

Analogous

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



43.5441, 48.7460, 46.6999



42.8002, 48.7460, 51.4091



42.9821, 48.7460, 56.8963

Triad

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



42.8002, 48.7460, 51.4091



47.6470, 48.7460, 63.5295



48.6926, 48.7460, 45.3372

Complementary

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



42.8002, 48.7460, 51.4091



42.8617, 41.4452, 46.3003

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.



49.8507, 48.7460, 49.4309



42.8002, 48.7460, 51.4091



49.2356, 48.7460, 60.0078

Square

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



42.8002, 48.7460, 51.4091



45.7458, 48.7460, 64.1499



50.0521, 48.7460, 54.7788



46.9224, 48.7460, 43.3562

Rectangle

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



42.8002, 48.7460, 51.4091



43.6060, 48.7460, 60.2470



50.0521, 48.7460, 54.7788



49.1685, 48.7460, 46.4981

Sweetspot

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



42.8016, 48.7480, 51.4102



84.7423, 91.3377, 98.5824



43.2320, 49.1502, 43.2855



18.4507, 19.9781, 21.5244



92.9021, 97.7402, 106.4391



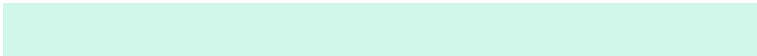
19.4759, 20.4902, 22.3138

Same Dimension

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



42.8016, 48.7480, 51.4102



74.0391, 86.0019, 89.8633



43.0436, 47.6947, 56.2300



9.6588, 10.7496, 11.4527



14.6014, 25.4308, 16.4954



0.6022, 1.0082, 0.8053

Inverse Universe

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



42.8617, 41.4452, 46.3003



74.1702, 70.1147, 78.7486



42.6204, 42.3310, 42.0015



9.6683, 9.5916, 10.6423



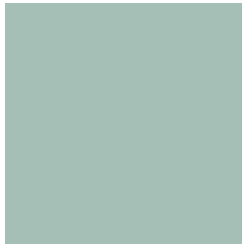
14.8569, 7.5739, 4.5403



0.6136, 0.3093, 0.3445

Previews

White Background



This preview shows how the XYZ color 42.8002, 48.7460, 51.4091 looks on a white background.

Color Contrast Check

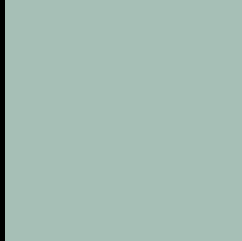
Large Text (above 18pt) WCAG AA × Fail

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 42.8002, 48.7460, 51.4091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

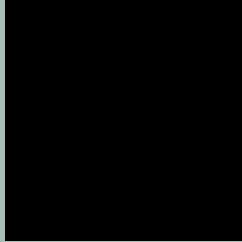
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

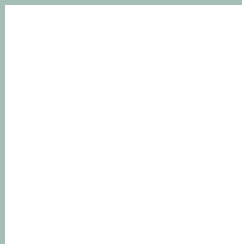
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8002, 48.7460, 51.4091

Background



This preview shows how black text looks on a background with the XYZ color 42.8002, 48.7460, 51.4091.



This preview shows how white text looks on a background with the XYZ color 42.8002, 48.7460,

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

42.8002, 48.7460, 51.4091

Protanopia

46.4116, 48.4425, 49.0237

Deuteranopia

49.4004, 48.3974, 52.0853



Tritanopia

45.3403, 48.8243, 63.5343

Trichromacy



Original Color

42.8002, 48.7460, 51.4091

Protanomaly

44.9631, 48.6191, 49.6624

Deuteranomaly

46.7159, 48.2330, 51.6475

Tritanomaly

44.4101, 48.7703, 58.7027

Monochromacy



Original Color

42.8002, 48.7460, 51.4091

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.2376, 47.8838, 51.7107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8002, 48.7460, 51.4091 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(166, 191, 182)` looks like.

```
.text, #text, p{  
    color:rgb(166, 191, 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(166, 191, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 191, 182) }
```

Border

The CSS property to change the border of an element to XYZ 42.8002, 48.7460, 51.4091 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(166, 191, 182) }
```


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

```
.border{ border-color:rgb(166, 191, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 191, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 191, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 191, 182);  
box-shadow:4px 4px 4px 4px rgb(166, 191,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8002, 48.7460, 51.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 191, 182) }
```

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

```
.background{ background-color: rgb(166,  
191, 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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