

Converting Colors

XYZ(46.7071, 50.6489, 49.2332)

Have a look what the booklet for
XYZ(46.7071, 50.6489, 49.2332)
contains.

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Color

**XYZ(46.9164, 50.9151,
49.4743)**

Conversions

Conversions Part 1

Format	Color
Hex	BABFB2
RGB	186, 191, 178
RGB Percent	73%, 75%, 70%
CMY	0.2706, 0.2510, 0.3020
CMYK	0.03, 0.00, 0.07, 0.25
HSL	83°, 9%, 72%
HSV	83°, 7%, 75%
XYZ	46.9164, 50.9151, 49.4743
YIQ	188.0230, 1.1930, -5.1030

Conversions

Conversions Part 2

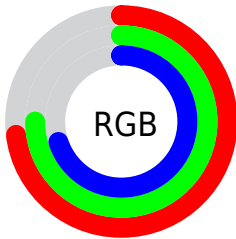
Format	Color
RYB	178, 191, 183
Decimal	12238770
CIELab	76.63, -4.10, 5.95
CIELCh	77, 7.224, 124.615
Yxy	50.9151, 0.3185, 0.3456
Android (android.graphics.Color)	4290428850 (0xFFBABFB2)
YUV	188.0230, -4.9413, -1.7742
Hunter-Lab	71.3548, -7.5057, 8.8393

Details

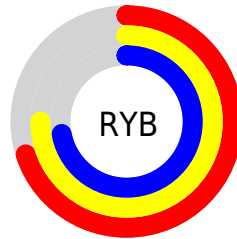
The XYZ color **46.9164, 50.9151, 49.4743** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.8548, 45.6710, 55.7442**, and the grayscale version is **47.8410, 50.3324, 54.8120**.

A 20% lighter version of the original color is **84.7300, 91.3393, 91.0064**, and **22.4630, 24.6442, 22.9749** is the 20% darker color. If you saturate the color by 10%, you get **43.3911, 49.3056, 39.9858**, and if you desaturate by 10%, it is **50.8034, 52.6832, 60.3758**.

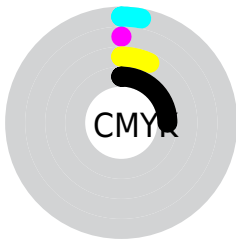
Distribution



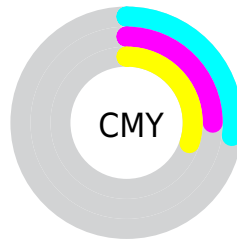
- Red (73%)
- Green (75%)
- Blue (70%)



- Red (70%)
- Yellow (75%)
- Blue (72%)



- Cyan (3%)
- Magenta (0%)
- Yellow (7%)
- Black (25%)



- Cyan (27%)
- Magenta (25%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9164, 50.9151, 49.4743 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 46.9164, 50.9151, 49.4743 by changing the saturation by 10% instead.

■ 46.9164, 50.9151,
49.4743

■ 46.9164, 50.9151,
49.4743

365.1352,
390.2338, 401.2826

■ 33.1772, 36.1410,
34.6276

■ 84.8083, 91.5293,
90.7838

■ 22.4221, 24.5431,
23.0949

109.6918,
118.1382, 118.0836

■ 14.2857, 15.7370,
14.4576

139.0208,
149.4608, 150.3716

■ 8.4027, 9.3383,
8.2973

173.1605,
185.8816, 188.0663

■ 4.4077, 4.9625,
4.1953

212.4765,
227.7849, 231.5862

■ 1.9352, 2.2253,
1.7331

257.3341,

■ 0.5972, 0.7337,

275.5551, 281.3498

0.3832

308.0985,
329.5766, 337.7758

■ 0.0000, 0.0000,
0.0000

■ 46.9164, 50.9151,
49.4743

■ 46.9164, 50.9151,
49.4743

■ 43.3911, 49.3056,
39.9858

■ 50.8034, 52.6832,
60.3758

■ 40.2111, 47.8430,
31.8492

■ 55.0597, 54.6081,
72.7414

■ 37.3645, 46.5241,
25.0036

■ 59.6977, 56.6966,
86.6240

■ 34.8373, 45.3431,
19.3825

■ 64.7279, 58.9530,
102.0724

■ 32.6143, 44.2938,
14.9132

■ 67.0363, 60.1320,
102.6812

■ 30.6788, 43.3691,
11.5154

■ 69.3471, 61.3232,
102.7893

■ 29.0119, 42.5616,
9.0985

■ 71.7573, 62.5657,
102.9021

■ 27.5920, 41.8623,
7.5569

■ 74.2682, 63.8601,
103.0196

■ 26.3905, 41.2596,
6.7481

■ 76.8809, 65.2070,
103.1419

Harmonies

Analogous

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



48.1822, 50.9151, 48.2724



46.9164, 50.9151, 49.4743



46.0587, 50.9151, 52.2750

Triad

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



46.9164, 50.9151, 49.4743



47.2759, 50.9151, 62.5159



51.0590, 50.9151, 54.8348

Complementary

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



46.9164, 50.9151, 49.4743



44.8548, 45.6710, 55.7442

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.



50.8054, 50.9151, 58.7259



46.9164, 50.9151, 49.4743



48.6049, 50.9151, 63.2795

Square

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



46.9164, 50.9151, 49.4743



46.2635, 50.9151, 59.8221



49.9008, 50.9151, 61.8624



50.5874, 50.9151, 51.2733

Rectangle

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



46.9164, 50.9151, 49.4743



45.8249, 50.9151, 54.7349



49.9008, 50.9151, 61.8624



51.0558, 50.9151, 56.1469

Sweetspot

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



46.9178, 50.9173, 49.4754



87.2677, 92.6637, 97.6085



46.4537, 48.1526, 48.9662



19.1787, 20.3551, 21.4773



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.



46.9178, 50.9173, 49.4754



83.1562, 90.7920, 86.2222



45.3783, 50.1237, 49.4034



9.9570, 10.9322, 10.1620



17.2018, 27.0437, 4.3133



0.7448, 1.0959, 0.1723

Inverse Universe

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



44.8548, 45.6710, 55.7442



78.7849, 79.6754, 99.5056



46.4326, 46.4844, 55.8181



9.3543, 9.3995, 11.9935



8.0946, 3.4590, 32.6339



0.3906, 0.1734, 1.2817

Previews

White Background



This preview shows how the XYZ color 46.9164, 50.9151, 49.4743 looks on a white background.

Color Contrast Check

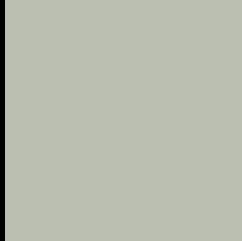
Large Text (above 18pt) WCAG AA × Fail

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 46.9164, 50.9151, 49.4743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

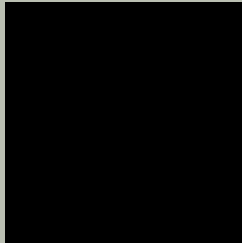
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

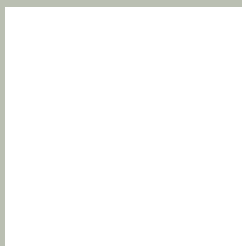
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9164, 50.9151, 49.4743

Background



This preview shows how black text looks on a background with the XYZ color 46.9164, 50.9151, 49.4743.



This preview shows how white text looks on a background with the XYZ color 46.9164, 50.9151,

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

46.9164, 50.9151, 49.4743

Protanopia

48.3254, 50.7031, 48.3140

Deuteranopia

52.0357, 51.0111, 50.2836



Tritanopia

49.6662, 50.7521, 63.0556

Trichromacy



Original Color

46.9164, 50.9151, 49.4743

Protanomaly

47.8716, 50.7760, 48.8726

Deuteranomaly

50.0527, 50.9290, 49.8401

Tritanomaly

48.5951, 50.6355, 57.6645

Monochromacy



Original Color

46.9164, 50.9151, 49.4743

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.3428, 50.4207, 52.5843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9164, 50.9151, 49.4743 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(186, 191, 178)` looks like.

```
.text, #text, p{  
    color:rgb(186, 191, 178)  
}
```

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(186, 191, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 191, 178) }
```

Border

The CSS property to change the border of an element to XYZ 46.9164, 50.9151, 49.4743 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(186, 191, 178) }
```


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

```
.border{ border-color:rgb(186, 191, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 191, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 191, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 191, 178);  
box-shadow:4px 4px 4px 4px rgb(186, 191,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9164, 50.9151, 49.4743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 191, 178) }
```

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

```
.background{ background-color: rgb(186,  
191, 178) }
```

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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