

Converting Colors

XYZ(46.4876, 49.9615, 50.9435)

Have a look what the booklet for
XYZ(46.4876, 49.9615, 50.9435)
contains.

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Color

**XYZ(46.5457, 50.0457,
50.9226)**

Conversions

Conversions Part 1

Format	Color
Hex	B9BDB5
RGB	185, 189, 181
RGB Percent	73%, 74%, 71%
CMY	0.2745, 0.2588, 0.2902
CMYK	0.02, 0.00, 0.04, 0.26
HSL	90°, 6%, 73%
HSV	90°, 4%, 74%
XYZ	46.5457, 50.0457, 50.9226
YIQ	186.8920, 0.1840, -3.3360

Conversions

Conversions Part 2

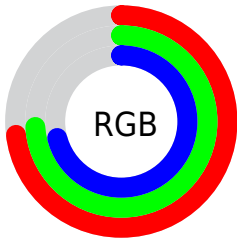
Format	Color
RYB	181, 189, 185
Decimal	12172725
CIELab	76.10, -2.86, 3.54
CIELCh	76, 4.556, 128.911
Yxy	50.0457, 0.3155, 0.3393
Android (android.graphics.Color)	4290362805 (0xFFB9BDB5)
YUV	186.8920, -2.9048, -1.6593
Hunter-Lab	70.7430, -6.3553, 6.8416

Details

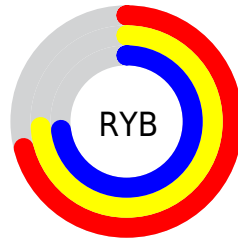
The XYZ color **46.5457, 50.0457, 50.9226** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.7187, 47.0375, 54.8162**, and the grayscale version is **47.1902, 49.6478, 54.0664**.

A 20% lighter version of the original color is **84.2141, 90.1200, 93.0771**, and **22.2162, 24.0724, 23.8976** is the 20% darker color. If you saturate the color by 10%, you get **42.5314, 48.1868, 41.2888**, and if you desaturate by 10%, it is **50.9777, 52.0924, 61.9515**.

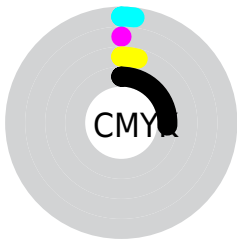
Distribution



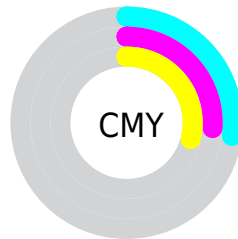
- Red (73%)
- Green (74%)
- Blue (71%)



- Red (71%)
- Yellow (74%)
- Blue (73%)



- Cyan (2%)
- Magenta (0%)
- Yellow (4%)
- Black (26%)



- Cyan (27%)
- Magenta (26%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5457, 50.0457, 50.9226 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 46.5457, 50.0457, 50.9226 by changing the saturation by 10% instead.

■ 46.5457, 50.0457,
50.9226

■ 46.5457, 50.0457,
50.9226

363.6775,
386.8446, 407.1010

■ 32.8831, 35.4497,
35.7707

■ 84.2580, 90.2426,
92.9507

■ 22.1957, 24.0095,
23.9689

109.0384,
116.6123, 120.6640

■ 14.1182, 15.3407,
15.0985

138.2554,
147.6753, 153.4014

■ 8.2852, 9.0588,
8.7412

172.2744,
183.8161, 191.5817

■ 4.3313, 4.7796,
4.4783

211.4608,
225.4190, 235.6232

■ 1.8912, 2.1185,
1.8912

256.1798,

■ 0.5717, 0.6750,

272.8685, 285.9446

0.4871

306.7969,
326.5489, 342.9643

■ 0.0000, 0.0000,
0.0000

■ 46.5457, 50.0457,
50.9226

■ 46.5457, 50.0457,
50.9226

■ 42.5314, 48.1868,
41.2888

■ 50.9777, 52.0924,
61.9515

■ 38.9171, 46.5034,
32.9912

■ 55.8358, 54.3258,
74.4245

■ 35.6899, 44.9918,
25.9716

■ 61.1338, 56.7534,
88.3925

■ 32.8347, 43.6454,
20.1664

■ 66.6240, 59.2763,
102.5377

■ 30.3351, 42.4574,
15.5062

■ 69.6158, 60.8186,
102.6778

■ 28.1734, 41.4203,
11.9148

■ 72.7727, 62.4460,
102.8255

■ 26.3299, 40.5257,
9.3070

■ 76.0974, 64.1600,
102.9811

■ 24.7823, 39.7644,
7.5839

■ 77.4886, 64.8772,
103.0462

■ 23.5043, 39.1255,
6.6267

Harmonies

Analogous

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



47.3137, 50.0457, 49.9878



46.5457, 50.0457, 50.9226



46.0553, 50.0457, 52.8210

Triad

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



46.5457, 50.0457, 50.9226



46.9801, 50.0457, 58.9855



49.2033, 50.0457, 53.7680

Complementary

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



46.5457, 50.0457, 50.9226



45.7187, 47.0375, 54.8162

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.



49.1113, 50.0457, 56.1964



46.5457, 50.0457, 50.9226



47.8211, 50.0457, 59.2574

Square

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



46.5457, 50.0457, 50.9226



46.3040, 50.0457, 57.4906



48.6030, 50.0457, 58.2229



48.8527, 50.0457, 51.5981

Rectangle

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



46.5457, 50.0457, 50.9226



45.9483, 50.0457, 54.4021



48.6030, 50.0457, 58.2229



49.2232, 50.0457, 54.5805

Sweetspot

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



46.5471, 50.0479, 50.9237



85.8330, 90.7731, 97.2789



46.6776, 48.8548, 50.6865



18.4668, 19.5244, 20.9411



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.



46.5471, 50.0479, 50.9237



82.7249, 89.3366, 89.6453



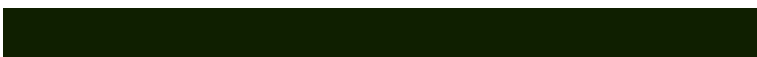
45.5956, 49.5573, 50.8792



10.1897, 11.0344, 10.9757



15.4698, 26.1508, 4.2323



0.6814, 1.0632, 0.1693

Inverse Universe

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



45.7187, 47.0375, 54.8162



80.9549, 82.9049, 97.9617



46.6974, 47.5420, 54.8620



9.9486, 10.1583, 12.1086



9.4116, 4.1379, 32.6956



0.4441, 0.2010, 1.2842

Previews

White Background



This preview shows how the XYZ color 46.5457, 50.0457, 50.9226 looks on a white background.

Color Contrast Check

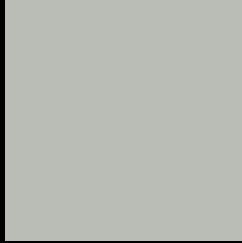
Large Text (above 18pt) WCAG AA × Fail

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 46.5457, 50.0457, 50.9226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

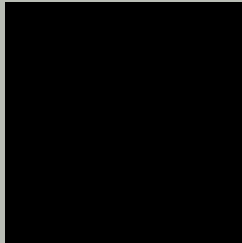
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

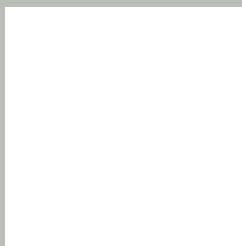
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5457, 50.0457, 50.9226

Background



This preview shows how black text looks on a background with the XYZ color 46.5457, 50.0457, 50.9226.



This preview shows how white text looks on a background with the XYZ color 46.5457, 50.0457,

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

46.5457, 50.0457, 50.9226

Protanopia

48.0009, 50.1734, 50.3345

Deuteranopia

50.8032, 49.7320, 51.7214



Tritanopia

48.8406, 50.0262, 62.3402

Trichromacy



Original Color

46.5457, 50.0457, 50.9226

Protanomaly

47.4566, 50.2089, 50.3701

Deuteranomaly

49.1372, 49.8005, 51.2786

Tritanomaly

48.0014, 50.0005, 58.1600

Monochromacy



Original Color

46.5457, 50.0457, 50.9226

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.9899, 49.9083, 53.0556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5457, 50.0457, 50.9226 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(185, 189, 181)` looks like.

```
.text, #text, p{  
    color:rgb(185, 189, 181)  
}
```

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(185, 189, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 189, 181) }
```

Border

The CSS property to change the border of an element to XYZ 46.5457, 50.0457, 50.9226 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(185, 189, 181) }
```


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

```
.border{ border-color:rgb(185, 189, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 189, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 189, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 189, 181);  
box-shadow:4px 4px 4px 4px rgb(185, 189,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5457, 50.0457, 50.9226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 189, 181) }
```

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

```
.background{ background-color: rgb(185,  
189, 181) }
```

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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