

Converting Colors

XYZ(46.6938, 51.2043, 45.9505)

Have a look what the booklet for
XYZ(46.6938, 51.2043, 45.9505)
contains.

XYZ(46.6938, 51.2043, 45.9505)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.6938, 51.2043,
45.9505)**

Conversions

Conversions Part 1

Format	Color
Hex	BBC0AB
RGB	187, 192, 171
RGB Percent	73%, 75%, 67%
CMY	0.2667, 0.2470, 0.3294
CMYK	0.03, 0.00, 0.11, 0.25
HSL	74°, 14%, 71%
HSV	74°, 11%, 75%
XYZ	46.6938, 51.2043, 45.9505
YIQ	188.1110, 3.7610, -7.5910

Conversions

Conversions Part 2

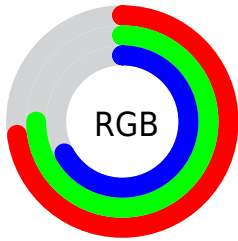
Format	Color
RYB	171, 192, 176
Decimal	12304555
CIELab	76.80, -5.48, 9.99
CIElCh	77, 11.394, 118.770
Yxy	51.2043, 0.3246, 0.3560
Android (android.graphics.Color)	4290494635 (0xFFBBC0AB)
YUV	188.1110, -8.4357, -0.9743
Hunter-Lab	71.5572, -8.7470, 12.0169

Details

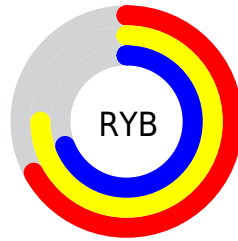
The XYZ color **46.6938, 51.2043, 45.9505** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.9839, 42.1631, 55.7974**, and the grayscale version is **47.9091, 50.4041, 54.8901**.

A 20% lighter version of the original color is **84.2570, 91.6805, 85.2068**, and **22.3939, 24.8655, 21.0720** is the 20% darker color. If you saturate the color by 10%, you get **43.8941, 49.9589, 36.9500**, and if you desaturate by 10%, it is **49.7978, 52.5789, 56.3552**.

Distribution



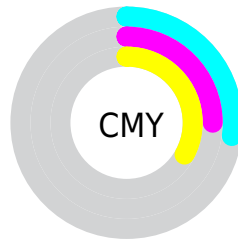
- Red (73%)
- Green (75%)
- Blue (67%)



- Red (67%)
- Yellow (75%)
- Blue (69%)



- Cyan (3%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)



- Cyan (27%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6938, 51.2043, 45.9505 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 46.6938, 51.2043, 45.9505 by changing the saturation by 10% instead.

■ 46.6938, 51.2043,
45.9505

■ 46.6938, 51.2043,
45.9505

364.2603,
391.3570, 386.8814

■ 33.0006, 36.3712,
31.8584

■ 84.4779, 91.9567,
85.4784

■ 22.2861, 24.7210,
20.9894

109.2995,
118.6448, 111.7513

■ 14.1851, 15.8693,
12.9251

138.5613,
150.0534, 142.9215

■ 8.3321, 9.4317,
7.2469

172.6286,
186.5668, 179.4076

■ 4.3617, 5.0238,
3.5362

211.8668,
228.5695, 221.6281

■ 1.9088, 2.2613,
1.3745

256.6413,

■ 0.5819, 0.7531,

276.4458, 270.0015

0.1217

307.3173,
330.5802, 324.9464

■ 0.0000, 0.0000,
0.0000

■ 46.6938, 51.2043,
45.9505

■ 46.6938, 51.2043,
45.9505

■ 43.8941, 49.9589,
36.9500

■ 49.7978, 52.5789,
56.3552

■ 41.3829, 48.8312,
29.2902

■ 53.2131, 54.0805,
68.2172

■ 39.1489, 47.8185,
22.9077

■ 56.9514, 55.7156,
81.5909

■ 37.1786, 46.9153,
17.7328

■ 61.0227, 57.4880,
96.5272

■ 35.4571, 46.1155,
13.6889

■ 63.4428, 58.6043,
102.5757

■ 33.9678, 45.4126,
10.6908

■ 64.7629, 59.2848,
102.6375

■ 32.6920, 44.7990,
8.6414

■ 66.1205, 59.9847,
102.7010

■ 31.6074, 44.2656,
7.4250

■ 67.5160, 60.7041,
102.7663

■ 30.7511, 43.8362,
6.8405

■ 68.9496, 61.4431,
102.8334

Harmonies

Analogous

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



48.7575, 51.2043, 44.6725



46.6938, 51.2043, 45.9505



45.1978, 51.2043, 49.8026

Triad

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



46.6938, 51.2043, 45.9505



46.5436, 51.2043, 66.5704



52.9456, 51.2043, 56.0088

Complementary

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



46.6938, 51.2043, 45.9505



41.9839, 42.1631, 55.7974

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.



52.3117, 51.2043, 62.1589



46.6938, 51.2043, 45.9505



48.5790, 51.2043, 68.5287

Square

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



46.6938, 51.2043, 45.9505



45.1129, 51.2043, 61.6841



50.6974, 51.2043, 66.8585



52.4054, 51.2043, 50.2144

Rectangle

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



46.6938, 51.2043, 45.9505



44.7018, 51.2043, 53.4653



50.6974, 51.2043, 66.8585



52.8624, 51.2043, 58.1046

Sweetspot

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



46.6952, 51.2065, 45.9516



88.9940, 94.7214, 97.9147



44.5964, 45.1598, 44.8951



18.9920, 20.2766, 20.6668



92.9021, 97.7402, 106.4391



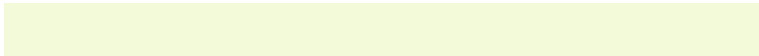
19.4759, 20.4902, 22.3138

Same Dimension

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



46.6952, 51.2065, 45.9516



83.4057, 92.2460, 79.3369



44.2425, 49.9421, 45.8368



10.6713, 11.6335, 10.7449



20.7632, 29.5327, 4.6060



0.9552, 1.3060, 0.2017

Inverse Universe

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



41.9839, 42.1631, 55.7974



73.2581, 72.7669, 100.5446



44.4261, 43.4221, 55.9117



9.7480, 9.8612, 12.6745



7.2117, 2.9782, 33.7514



0.3755, 0.1616, 1.4613

Previews

White Background



This preview shows how the XYZ color 46.6938, 51.2043, 45.9505 looks on a white background.

Color Contrast Check

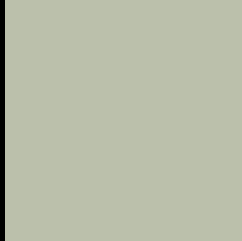
Large Text (above 18pt) WCAG AA × Fail

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 46.6938, 51.2043, 45.9505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

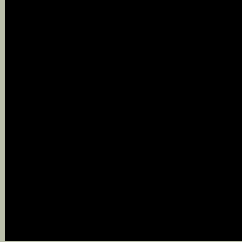
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

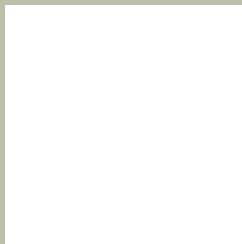
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6938, 51.2043, 45.9505

Background



This preview shows how black text looks on a background with the XYZ color 46.6938, 51.2043, 45.9505.



This preview shows how white text looks on a background with the XYZ color 46.6938, 51.2043, 45.9505.

45.9505.

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

46.6938, 51.2043, 45.9505

Protanopia

48.3850, 51.1301, 44.8550

Deuteranopia

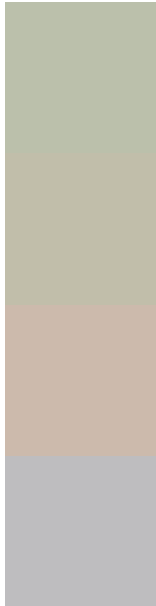
52.2079, 51.1802, 46.6623



Tritanopia

50.1692, 51.0114, 63.0791

Trichromacy



Original Color

46.6938, 51.2043, 45.9505

Protanomaly

47.6615, 51.0666, 45.3750

Deuteranomaly

49.9071, 50.9337, 46.2305

Tritanomaly

48.8368, 51.1039, 56.5803

Monochromacy



Original Color

46.6938, 51.2043, 45.9505

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.3801, 50.4640, 51.4993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6938, 51.2043, 45.9505 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(187, 192, 171)` looks like.

```
.text, #text, p{  
    color:rgb(187, 192, 171)  
}
```

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(187, 192, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 192, 171) }
```

Border

The CSS property to change the border of an element to XYZ 46.6938, 51.2043, 45.9505 is called "border". The border property can be set on classes, ids or directly on the HTML element.

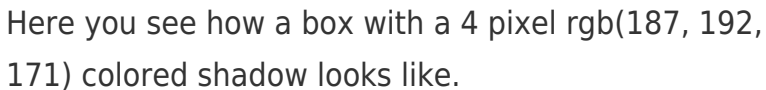
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 192, 171) }
```


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

```
.border{ border-color:rgb(187, 192, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 192, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 192, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 192, 171); box-shadow:4px 4px 4px 4px rgb(187, 192, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6938, 51.2043, 45.9505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 192, 171) }
```

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

```
.background{ background-color: rgb(187,  
192, 171) }
```

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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