

Converting Colors

XYZ(47.2901, 50.9551, 45.3855)

Have a look what the booklet for
XYZ(47.2901, 50.9551, 45.3855)
contains.

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Color

**XYZ(47.1550, 50.8056,
45.3513)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBEAA
RGB	191, 190, 170
RGB Percent	75%, 75%, 67%
CMY	0.2510, 0.2549, 0.3333
CMYK	0.00, 0.01, 0.11, 0.25
HSL	57°, 14%, 71%
HSV	57°, 11%, 75%
XYZ	47.1550, 50.8056, 45.3513
YIQ	188.0190, 7.0160, -6.0080

Conversions

Conversions Part 2

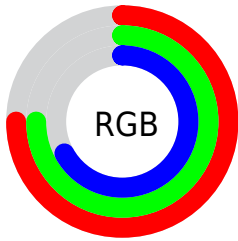
Format	Color
RYB	171, 191, 170
Decimal	12566186
CIELab	76.56, -3.15, 10.23
CIELCh	77, 10.700, 107.112
Yxy	50.8056, 0.3290, 0.3545
Android (android.graphics.Color)	4290756266 (0xFFBFBEAA)
YUV	188.0190, -8.8834, 2.6143
Hunter-Lab	71.2780, -6.6474, 12.1708

Details

The XYZ color **47.1550, 50.8056, 45.3513** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.5443, 41.4326, 55.1510**, and the grayscale version is **47.8580, 50.3504, 54.8315**.

A 20% lighter version of the original color is **84.9041, 91.1219, 84.3475**, and **22.6969, 24.6026, 20.6921** is the 20% darker color. If you saturate the color by 10%, you get **45.2829, 49.7455, 36.4513**, and if you desaturate by 10%, it is **49.2937, 51.9776, 55.6365**.

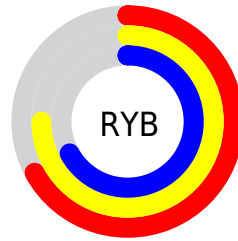
Distribution



Red (75%)

Green (75%)

Blue (67%)



Red (67%)

Yellow (75%)

Blue (67%)

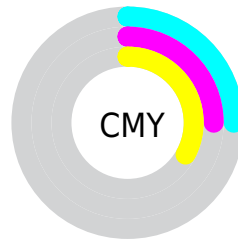


Cyan (0%)

Magenta (1%)

Yellow (11%)

Black (25%)



Cyan (25%)

Magenta (25%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1550, 50.8056, 45.3513 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 47.1550, 50.8056, 45.3513 by changing the saturation by 10% instead.

■ 47.1550, 50.8056,
45.3513

■ 47.1550, 50.8056,
45.3513

366.0715,
389.8080, 384.3960

■ 33.3667, 36.0539,
31.3893

■ 85.1623, 91.3674,
84.5714

■ 22.5681, 24.4758,
20.6345

110.1119,
117.9462, 110.6664

■ 14.3938, 15.6870,
12.6685

139.5127,
149.2363, 141.6430

■ 8.4786, 9.3029,
7.0726

173.7300,
185.6219, 177.9195

■ 4.4571, 4.9393,
3.4284

213.1292,
227.4875, 219.9145

■ 1.9638, 2.2117,
1.3173

258.0756,

■ 0.6135, 0.7264,

275.2174, 268.0466

0.0759

308.9346,
329.1962, 322.7342

■ 0.0000, 0.0000,
0.0000

■ 47.1550, 50.8056,
45.3513

■ 47.1550, 50.8056,
45.3513

■ 45.2829, 49.7455,
36.4513

■ 49.2937, 51.9776,
55.6365

■ 43.6619, 48.7861,
28.8740

■ 51.7053, 53.2591,
67.3595

■ 42.2813, 47.9249,
22.5567

■ 54.4014, 54.6563,
80.5740

■ 41.1281, 47.1565,
17.4305

■ 57.3913, 56.1730,
95.3300

■ 40.1878, 46.4752,
13.4199

■ 58.9467, 57.1179,
102.5258

■ 39.4446, 45.8747,
10.4408

■ 59.1497, 57.5237,
102.5934

■ 38.8801, 45.3476,
8.3970

■ 59.3538, 57.9320,
102.6615

■ 38.4727, 44.8853,
7.1746

■ 59.5592, 58.3428,
102.7299

■ 38.2024, 44.5093,
6.5777

■ 59.7658, 58.7561,
102.7988

Harmonies

Analogous

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



49.1609, 50.8056, 45.1656



47.1550, 50.8056, 45.3513



45.4981, 50.8056, 48.0864

Triad

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



47.1550, 50.8056, 45.3513



45.6931, 50.8056, 63.8782



52.1764, 50.8056, 57.8377

Complementary

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



47.1550, 50.8056, 45.3513



40.5443, 41.4326, 55.1510

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.



51.1921, 50.8056, 63.2419



47.1550, 50.8056, 45.3513



47.4278, 50.8056, 66.8895

Square

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



47.1550, 50.8056, 45.3513



44.6704, 50.8056, 58.6577



49.4414, 50.8056, 66.6489



52.0984, 50.8056, 52.1088

Rectangle

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



47.1550, 50.8056, 45.3513



44.7976, 50.8056, 51.1030



49.4414, 50.8056, 66.6489



51.9576, 50.8056, 59.7600

Sweetspot

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



47.1564, 50.8078, 45.3524



87.4592, 92.6453, 95.6559



43.2166, 42.7687, 44.5312



19.1347, 20.3058, 20.6649



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.



47.1564, 50.8078, 45.3524



83.6747, 90.5594, 77.4907



45.0723, 50.0547, 45.3169



10.2824, 11.0409, 10.1658



25.1231, 29.2849, 4.3284



0.9961, 1.1712, 0.1736

Inverse Universe

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



40.5443, 41.4326, 55.1510



69.6646, 70.6947, 98.2528



42.4739, 42.1491, 55.1876



9.0518, 9.2960, 11.9894



6.2615, 2.6348, 32.5714



0.2578, 0.1283, 1.2800

Previews

White Background



This preview shows how the XYZ color 47.1550, 50.8056, 45.3513 looks on a white background.

Color Contrast Check

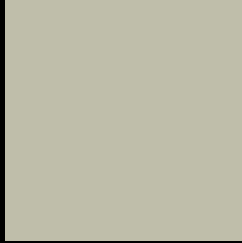
Large Text (above 18pt) WCAG AA × Fail

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 47.1550, 50.8056, 45.3513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

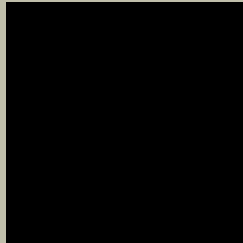
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

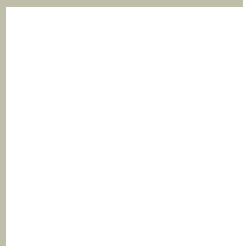
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1550, 50.8056, 45.3513

Background



This preview shows how black text looks on a background with the XYZ color 47.1550, 50.8056, 45.3513.



This preview shows how white text looks on a background with the XYZ color 47.1550, 50.8056,

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

47.1550, 50.8056, 45.3513

Protanopia

48.1706, 50.7013, 44.7836

Deuteranopia

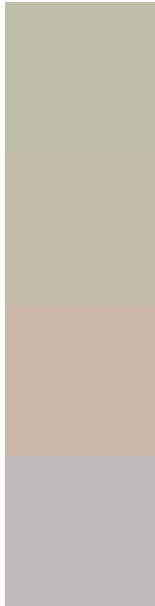
51.6149, 50.5806, 46.0724



Tritanopia

50.4899, 50.8900, 61.8052

Trichromacy



Original Color

47.1550, 50.8056, 45.3513

Protanomaly

47.8647, 50.8619, 44.8307

Deuteranomaly

49.8765, 50.6173, 45.6694

Tritanomaly

49.2038, 50.6841, 55.3338

Monochromacy



Original Color

47.1550, 50.8056, 45.3513

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.5244, 50.5502, 50.9684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1550, 50.8056, 45.3513 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(191, 190, 170)` looks like.

```
.text, #text, p{  
    color:rgb(191, 190, 170)  
}
```

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(191, 190, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 190, 170) }
```

Border

The CSS property to change the border of an element to XYZ 47.1550, 50.8056, 45.3513 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(191, 190, 170) }
```


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

```
.border{ border-color:rgb(191, 190, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 190, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 190, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 190, 170);  
box-shadow:4px 4px 4px 4px rgb(191, 190,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1550, 50.8056, 45.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 190, 170) }
```

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

```
.background{ background-color: rgb(191,  
190, 170) }
```

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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