

Converting Colors

XYZ(47.6175, 50.3098, 51.8935)

Have a look what the booklet for
XYZ(47.6175, 50.3098, 51.8935)
contains.

XYZ(47.5167, 50.2042, 51.9857)	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(47.5167, 50.2042,
51.9857)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBC B7
RGB	189, 188, 183
RGB Percent	74%, 74%, 72%
CMY	0.2588, 0.2627, 0.2823
CMYK	0.00, 0.01, 0.03, 0.26
HSL	50°, 4%, 73%
HSV	50°, 3%, 74%
XYZ	47.5167, 50.2042, 51.9857
YIQ	187.7290, 2.2010, -1.3430

Conversions

Conversions Part 2

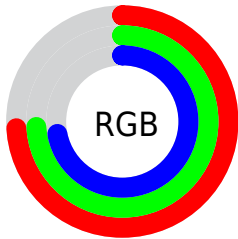
Format	Color
RYB	184, 189, 183
Decimal	12434615
CIELab	76.19, -0.56, 2.64
CIElCh	76, 2.698, 101.946
Yxy	50.2042, 0.3174, 0.3354
Android (android.graphics.Color)	4290624695 (0xFFBDBC7)
YUV	187.7290, -2.3314, 1.1147
Hunter-Lab	70.8549, -4.2905, 6.0978

Details

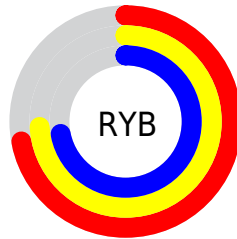
The XYZ color **47.5167, 50.2042, 51.9857** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.8541, 48.0215, 54.9969**, and the grayscale version is **47.6594, 50.1414, 54.6039**.

A 20% lighter version of the original color is **85.5869, 90.3458, 94.5889**, and **22.8466, 24.1739, 24.5810** is the 20% darker color. If you saturate the color by 10%, you get **45.0176, 48.1452, 42.0902**, and if you desaturate by 10%, it is **50.2974, 52.4024, 63.2796**.

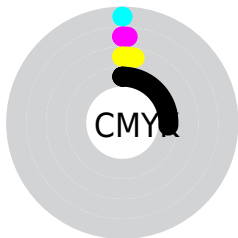
Distribution



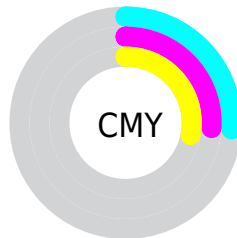
- Red (74%)
- Green (74%)
- Blue (72%)



- Red (72%)
- Yellow (74%)
- Blue (72%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (26%)



- Cyan (26%)
- Magenta (26%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5167, 50.2042, 51.9857 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 47.5167, 50.2042, 51.9857 by changing the saturation by 10% instead.

■ 47.5167, 50.2042,
51.9857

■ 47.5167, 50.2042,
51.9857

367.4878,
387.4640, 411.3368

■ 33.6540, 35.5757,
36.6115

■ 85.6984, 90.4774,
94.5365

■ 22.7895, 24.1067,
24.6134

110.7482,
116.8908, 122.5502

■ 14.5580, 15.4128,
15.5729

140.2576,
148.0013, 155.6142

■ 8.5941, 9.1096,
9.0714

174.5921,
184.1933, 194.1470

■ 4.5323, 4.8127,
4.6903

214.1170,
225.8511, 238.5671

■ 2.0075, 2.1378,
2.0112

259.1977,

■ 0.6382, 0.6858,

273.3593, 289.2930

0.5621

310.1995,
327.1021, 346.7434

■ 0.0000, 0.0000,
0.0000

■ 47.5167, 50.2042,
51.9857

■ 47.5167, 50.2042,
51.9857

■ 45.0176, 48.1452,
42.0902

■ 50.2974, 52.4024,
63.2796

■ 42.7854, 46.2145,
33.5347

■ 53.3655, 54.7374,
76.0207

■ 40.8101, 44.4097,
26.2617

■ 56.7317, 57.2152,
90.2594

■ 39.0798, 42.7257,
20.2079

■ 59.8198, 59.6056,
102.9599

■ 37.5814, 41.1572,
15.3050

■ 60.5567, 61.0794,
103.2056

■ 36.3005, 39.6982,
11.4778

■ 61.3086, 62.5832,
103.4562

■ 35.2209, 38.3422,
8.6419

■ 62.0756, 64.1172,
103.7119

■ 34.3243, 37.0817,
6.7007

■ 62.8578, 65.6816,
103.9726

■ 33.5884, 35.9077,
5.5380

■ 63.6553, 67.2765,
104.2384

Harmonies

Analogous

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



48.0194, 50.2042, 52.0600



47.5167, 50.2042, 51.9857



47.0709, 50.2042, 52.6196

Triad

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



47.5167, 50.2042, 51.9857



46.9984, 50.2042, 56.5455



48.6476, 50.2042, 55.5310

Complementary

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



47.5167, 50.2042, 51.9857



45.8541, 48.0215, 54.9969

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.



48.3702, 50.2042, 56.7603



47.5167, 50.2042, 51.9857



47.4170, 50.2042, 57.3531

Square

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



47.5167, 50.2042, 51.9857



46.7731, 50.2042, 55.2420



47.9190, 50.2042, 57.4324



48.6747, 50.2042, 54.0897

Rectangle

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



47.5167, 50.2042, 51.9857



46.8650, 50.2042, 53.3652



47.9190, 50.2042, 57.4324



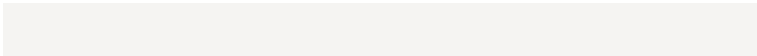
48.5804, 50.2042, 55.9834

Sweetspot

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



47.5181, 50.2064, 51.9868



86.1356, 90.7470, 97.2579



46.5721, 48.1472, 52.1868



18.5285, 19.5191, 20.9368



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.



47.5181, 50.2064, 51.9868



84.6858, 89.5807, 91.4307



47.2389, 50.3794, 52.0349



10.4462, 11.0587, 11.1750



22.3514, 23.7416, 3.4045



0.9119, 1.0028, 0.1455

Inverse Universe

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



45.8541, 48.0215, 54.9969



80.8927, 84.6004, 98.2922



46.1270, 47.8561, 54.9506



9.9082, 10.3524, 12.1482



6.5551, 3.2219, 32.6693



0.2972, 0.2071, 1.2932

Previews

White Background



This preview shows how the XYZ color 47.5167, 50.2042, 51.9857 looks on a white background.

Color Contrast Check

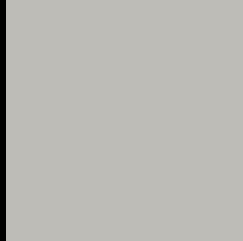
Large Text (above 18pt) WCAG AA × Fail

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 47.5167, 50.2042, 51.9857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

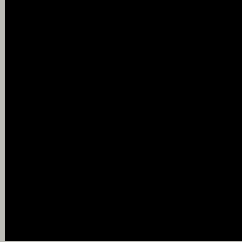
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

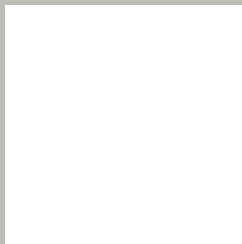
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.5167, 50.2042, 51.9857

Background



This preview shows how black text looks on a background with the XYZ color 47.5167, 50.2042, 51.9857.



This preview shows how white text looks on a background with the XYZ color 47.5167, 50.2042, 51.9857.

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

47.5167, 50.2042, 51.9857

Protanopia

47.9520, 50.1245, 51.4036

Deuteranopia

51.1118, 50.1820, 52.3396



Tritanopia

49.5125, 50.0745, 61.6993

Trichromacy



Original Color

47.5167, 50.2042, 51.9857

Protanomaly

47.6997, 49.9944, 51.3918

Deuteranomaly

49.6116, 50.0210, 52.3876

Tritanomaly

48.7824, 50.0892, 58.1360

Monochromacy



Original Color

47.5167, 50.2042, 51.9857

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.5852, 50.2030, 53.6365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5167, 50.2042, 51.9857 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(189, 188, 183)` looks like.

```
.text, #text, p{  
    color:rgb(189, 188, 183)  
}
```

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(189, 188, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 188, 183) }
```

Border

The CSS property to change the border of an element to XYZ 47.5167, 50.2042, 51.9857 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(189, 188, 183) }
```


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

```
.border{ border-color:rgb(189, 188, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 188, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 188, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 188, 183);  
box-shadow:4px 4px 4px 4px rgb(189, 188,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5167, 50.2042, 51.9857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 188, 183) }
```

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

```
.background{ background-color: rgb(189,  
188, 183) }
```

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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