

Converting Colors

XYZ(47.1516, 49.7087, 48.7053)

Have a look what the booklet for
XYZ(47.1516, 49.7087, 48.7053)
contains.

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Color

**XYZ(47.1920, 49.7913,
48.7184)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBBB1
RGB	191, 187, 177
RGB Percent	75%, 73%, 69%
CMY	0.2510, 0.2666, 0.3059
CMYK	0.00, 0.02, 0.07, 0.25
HSL	43°, 10%, 72%
HSV	43°, 7%, 75%
XYZ	47.1920, 49.7913, 48.7184
YIQ	187.0560, 5.5940, -2.2620

Conversions

Conversions Part 2

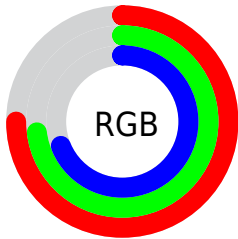
Format	Color
RYB	183, 191, 177
Decimal	12565425
CIELab	75.94, -0.37, 5.55
CIELCh	76, 5.561, 93.835
Yxy	49.7913, 0.3239, 0.3417
Android (android.graphics.Color)	4290755505 (0xFFBFBBB1)
YUV	187.0560, -4.9576, 3.4589
Hunter-Lab	70.5630, -4.1056, 8.4588

Details

The XYZ color **47.1920, 49.7913, 48.7184** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.0593, 46.1558, 55.8776**, and the grayscale version is **47.2917, 49.7545, 54.1827**.

A 20% lighter version of the original color is **85.1163, 89.7585, 89.9298**, and **22.6444, 23.9087, 22.4901** is the 20% darker color. If you saturate the color by 10%, you get **44.2855, 46.8144, 39.0052**, and if you desaturate by 10%, it is **50.4117, 52.9670, 59.8519**.

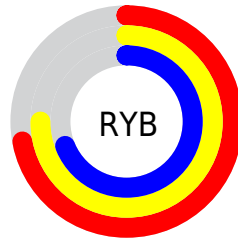
Distribution



Red (75%)

Green (73%)

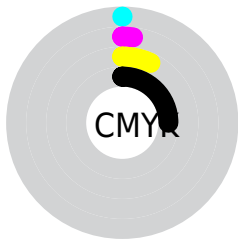
Blue (69%)



Red (72%)

Yellow (75%)

Blue (69%)

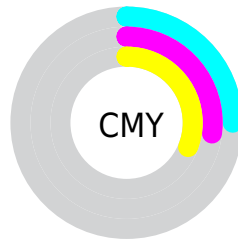


Cyan (0%)

Magenta (2%)

Yellow (7%)

Black (25%)



Cyan (25%)

Magenta (27%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1920, 49.7913, 48.7184 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 47.1920, 49.7913, 48.7184 by changing the saturation by 10% instead.

■ 47.1920, 49.7913,
48.7184

■ 47.1920, 49.7913,
48.7184

366.2165,
385.8492, 398.2232

■ 33.3960, 35.2476,
34.0321

■ 85.2171, 89.8656,
89.6497

■ 22.5907, 23.8537,
22.6407

110.1771,
116.1650, 116.7319

■ 14.4106, 15.2251,
14.1256

139.5890,
147.1517, 148.7830

■ 8.4904, 8.9775,
8.0684

173.8183,
183.2101, 186.2218

■ 4.4647, 4.7265,
4.0503

213.2304,
224.7247, 229.4666

■ 1.9683, 2.0877,
1.6530

258.1905,

■ 0.6160, 0.6577,

272.0798, 278.9361

0.3282

309.0641,
325.6599, 335.0488

■ 0.0000, 0.0000,
0.0000

■ 47.1920, 49.7913,
48.7184

■ 47.1920, 49.7913,
48.7184

■ 44.2855, 46.8144,
39.0052

■ 50.4117, 52.9670,
59.8519

■ 41.6767, 44.0245,
30.6510

■ 53.9513, 56.3401,
72.4571

■ 39.3545, 41.4179,
23.5946

■ 57.8224, 59.9176,
86.5871

■ 37.3058, 38.9887,
17.7690

■ 62.0349, 63.7041,
102.2911

■ 35.5163, 36.7303,
13.1012

■ 63.6504, 66.5251,
104.0936

■ 33.9701, 34.6355,
9.5102

■ 65.0559, 69.3360,
104.5621

■ 32.6493, 32.6964,
6.9048

■ 66.5080, 72.2403,
105.0462

■ 31.5333, 30.9037,
5.1782

■ 68.0072, 75.2387,
105.5459

■ 30.5927, 29.2450,
4.1789

■ 69.5539, 78.3321,
106.0615

Harmonies

Analogous

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



48.2091, 49.7913, 49.2529



47.1920, 49.7913, 48.7184



46.2245, 49.7913, 49.6117

Triad

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



47.1920, 49.7913, 48.7184



45.6895, 49.7913, 57.4536



49.1358, 49.7913, 56.7693

Complementary

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



47.1920, 49.7913, 48.7184



44.0593, 46.1558, 55.8776

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.



48.4431, 49.7913, 59.0930



47.1920, 49.7913, 48.7184



46.4521, 49.7913, 59.4981

Square

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



47.1920, 49.7913, 48.7184



45.3651, 49.7913, 54.5968



47.4585, 49.7913, 60.1086



49.3409, 49.7913, 53.8335

Rectangle

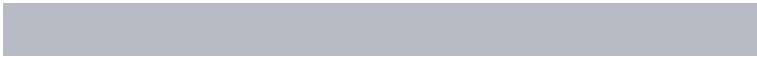
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.1920, 49.7913, 48.7184



45.7349, 49.7913, 50.9166



47.4585, 49.7913, 60.1086



48.9518, 49.7913, 57.6513

Sweetspot

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



47.1934, 49.7935, 48.7195



87.5058, 92.1466, 97.4961



45.5697, 45.8658, 50.2757



19.2284, 20.2472, 21.4539



92.9021, 97.7402, 106.4391



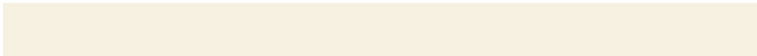
19.4759, 20.4902, 22.3138

Same Dimension

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



47.1934, 49.7935, 48.7195



83.5378, 88.1865, 83.9163



47.3556, 51.1534, 48.9734



10.0858, 10.6477, 10.1003



20.0216, 19.0821, 2.6280



0.8374, 0.8538, 0.1207

Inverse Universe

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



44.0593, 46.1558, 55.8776



76.6217, 80.1593, 99.7130



43.9027, 44.8860, 55.6408



9.2324, 9.6571, 12.0496



7.1236, 4.3590, 32.8588



0.3369, 0.2865, 1.3064

Previews

White Background



This preview shows how the XYZ color 47.1920, 49.7913, 48.7184 looks on a white background.

Color Contrast Check

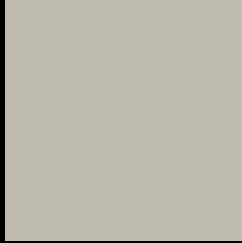
Large Text (above 18pt) WCAG AA × Fail

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 47.1920, 49.7913, 48.7184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

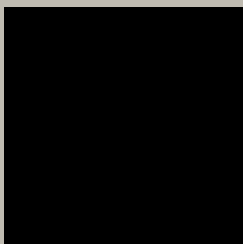
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

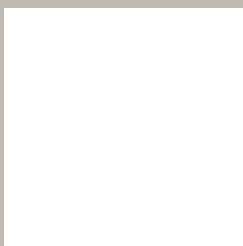
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1920, 49.7913, 48.7184

Background



This preview shows how black text looks on a background with the XYZ color 47.1920, 49.7913, 48.7184.

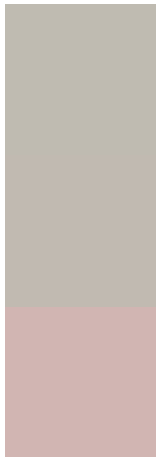


This preview shows how white text looks on a background with the XYZ color 47.1920, 49.7913,

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

47.1920, 49.7913, 48.7184

Protanopia

47.4870, 49.6296, 48.6716

Deuteranopia

50.8543, 49.8174, 49.0549



Tritanopia

49.5817, 49.8275, 60.4305

Trichromacy



Original Color

47.1920, 49.7913, 48.7184

Protanomaly

47.2329, 49.4986, 48.6597

Deuteranomaly

49.3265, 49.6379, 49.1008

Tritanomaly

48.6355, 49.7531, 55.7551

Monochromacy



Original Color

47.1920, 49.7913, 48.7184

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.0566, 49.6509, 51.9032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1920, 49.7913, 48.7184 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, 187, 177) looks like.

```
.text, #text, p{  
    color:rgb(191, 187, 177)  
}
```

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, 187, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 187, 177) }
```

Border

The CSS property to change the border of an element to XYZ 47.1920, 49.7913, 48.7184 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, 187, 177) }
```


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

```
.border{ border-color:rgb(191, 187, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 187, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 187, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 187, 177);  
box-shadow:4px 4px 4px 4px rgb(191, 187,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1920, 49.7913, 48.7184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 187, 177) }
```

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

```
.background{ background-color: rgb(191,  
187, 177) }
```

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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