

Converting Colors

XYZ(47.3831, 49.6904, 55.0674)

Have a look what the booklet for
XYZ(47.3831, 49.6904, 55.0674)
contains.

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Color

**XYZ(47.4491, 49.7796,
55.2517)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBBBD
RGB	187, 187, 189
RGB Percent	73%, 73%, 74%
CMY	0.2667, 0.2666, 0.2588
CMYK	0.01, 0.01, 0.00, 0.26
HSL	240°, 1%, 74%
HSV	240°, 1%, 74%
XYZ	47.4491, 49.7796, 55.2517
YIQ	187.2280, -0.6420, 0.6220

Conversions

Conversions Part 2

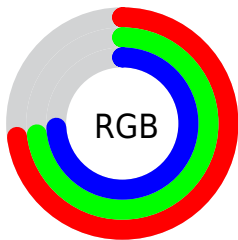
Format	Color
RYB	187, 187, 189
Decimal	12303293
CIELab	75.93, 0.38, -1.02
CIELCh	76, 1.085, 290.325
Yxy	49.7796, 0.3112, 0.3265
Android (android.graphics.Color)	4290493373 (0xFFBBBBBD)
YUV	187.2280, 0.8736, -0.2000
Hunter-Lab	70.5547, -3.4266, 2.9580

Details

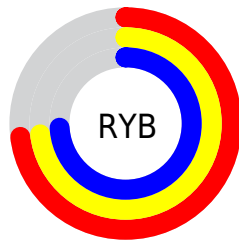
The XYZ color **47.4491, 49.7796, 55.2517** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.1534, 50.8010, 54.2819**, and the grayscale version is **47.3594, 49.8258, 54.2603**.

A 20% lighter version of the original color is **85.4942, 89.7484, 99.2034**, and **22.8005, 23.8961, 26.7032** is the 20% darker color. If you saturate the color by 10%, you get **39.3839, 40.0671, 53.8028**, and if you desaturate by 10%, it is **56.6514, 60.8615, 56.9065**.

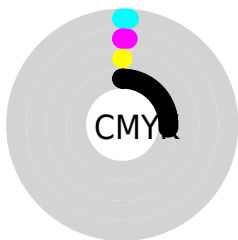
Distribution



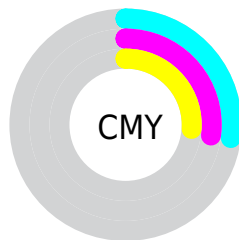
- Red (73%)
- Green (73%)
- Blue (74%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4491, 49.7796, 55.2517 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 47.4491, 49.7796, 55.2517 by changing the saturation by 10% instead.

■ 47.4491, 49.7796,
55.2517

■ 47.4491, 49.7796,
55.2517

367.2234,
385.8034, 424.1741

■ 33.6003, 35.2383,
39.2033

■ 85.5983, 89.8482,
99.3845

■ 22.7481, 23.8465,
26.6089

110.6293,
116.1444, 128.3060

■ 14.5273, 15.2198,
17.0499

140.1185,
147.1276, 162.3556

■ 8.5725, 8.9738,
10.1077

174.4311,
183.1822, 201.9518

■ 4.5182, 4.7241,
5.3639

213.9325,
224.6928, 247.5132

■ 1.9993, 2.0863,
2.3999

258.9882,

■ 0.6336, 0.6569,

272.0435, 299.4584

0.7864

309.9633,
325.6190, 358.2059

■ 0.0000, 0.0000,
0.0000

■ 47.4491, 49.7796,
55.2517

■ 47.4491, 49.7796,
55.2517

■ 39.3839, 40.0671,
53.8028

■ 56.6514, 60.8615,
56.9065

■ 32.4076, 31.6648,
52.5487

■ 67.0282, 73.3564,
58.7713

■ 26.4749, 24.5186,
51.4820

■ 78.6201, 87.3139,
60.8544

■ 21.5357, 18.5682,
50.5938

■ 86.1855, 96.4542,
62.2199

■ 17.5357, 13.7483,
49.8743

■ 14.4154, 9.9874,
49.3128

■ 12.1086, 7.2058,
48.8975

■ 10.5396, 5.3127,
48.6148

■ 9.6188, 4.2003,
48.4486

Harmonies

Analogous

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



47.2487, 49.7796, 55.3059



47.4491, 49.7796, 55.2517



47.6137, 49.7796, 54.9150

Triad

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



47.4491, 49.7796, 55.2517



47.5625, 49.7796, 53.3496



46.9320, 49.7796, 54.0147

Complementary

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



47.4491, 49.7796, 55.2517



48.1534, 50.8010, 54.2819

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.



47.0156, 49.7796, 53.4942



47.4491, 49.7796, 55.2517



47.3793, 49.7796, 53.1120

Square

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



47.4491, 49.7796, 55.2517



47.6793, 49.7796, 53.8159



47.1792, 49.7796, 53.1647



46.9506, 49.7796, 54.5889

Rectangle

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



47.4491, 49.7796, 55.2517



47.6808, 49.7796, 54.5770



47.1792, 49.7796, 53.1647



46.9491, 49.7796, 53.8277

Sweetspot

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



47.4505, 49.7817, 55.2528



86.6293, 91.1408, 99.2523



47.8735, 50.6334, 55.3759



18.6292, 19.5994, 21.3438



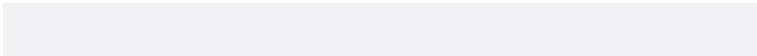
90.7827, 95.5105, 104.0109

Same Dimension

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



47.4505, 49.7817, 55.2528



85.0482, 89.2367, 98.9681



47.6871, 49.9025, 55.2636



10.5419, 11.0634, 12.2520



6.1834, 2.4785, 32.5454



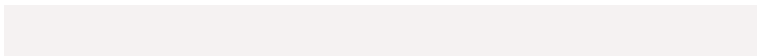
0.2427, 0.0981, 1.2750

Inverse Universe

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



47.7273, 49.9481, 54.1418



85.5241, 89.5228, 97.0575



47.9151, 50.6794, 54.2709



10.5961, 11.0961, 12.0343



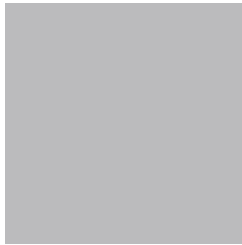
14.1219, 7.2799, 0.6694



0.5534, 0.2853, 0.0275

Previews

White Background



This preview shows how the XYZ color 47.4491, 49.7796, 55.2517 looks on a white background.

Color Contrast Check

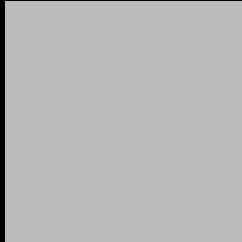
Large Text (above 18pt) WCAG AA × Fail

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 47.4491, 49.7796, 55.2517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

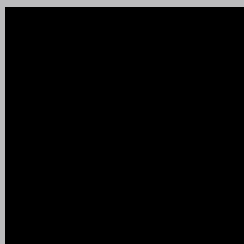
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

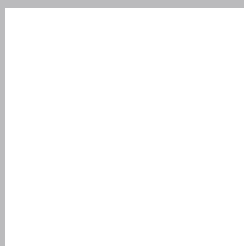
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4491, 49.7796, 55.2517

Background



This preview shows how black text looks on a background with the XYZ color 47.4491, 49.7796, 55.2517.

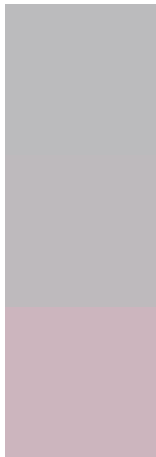


This preview shows how white text looks on a background with the XYZ color 47.4491, 49.7796,

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

47.4491, 49.7796, 55.2517

Protanopia

47.9794, 49.7391, 55.2159

Deuteranopia

50.7200, 49.6028, 55.6163



Tritanopia

48.7606, 49.6869, 61.6641

Trichromacy



Original Color

47.4491, 49.7796, 55.2517

Protanomaly

47.7305, 49.6108, 55.2043

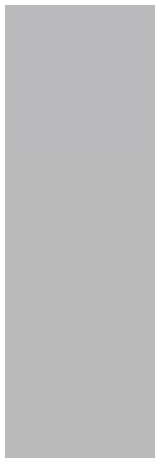
Deuteranomaly

49.5165, 49.5904, 55.6773

Tritanomaly

48.2617, 49.7947, 59.2922

Monochromacy



Original Color

47.4491, 49.7796, 55.2517

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.3409, 49.7363, 54.6819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4491, 49.7796, 55.2517 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, 187, 189)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 189)  
}
```

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, 187, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 189) }
```

Border

The CSS property to change the border of an element to XYZ 47.4491, 49.7796, 55.2517 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, 187, 189) }
```

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

```
.border{ border-color:rgb(187, 187, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 187, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 189);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
189) }
```


Background

The CSS property to change the background color of an element to XYZ 47.4491, 49.7796, 55.2517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 189) }
```

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

```
.background{ background-color: rgb(187,  
187, 189) }
```

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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