

Converting Colors

XYZ(48.0009, 50.1507, 57.3532)

Have a look what the booklet for
XYZ(48.0009, 50.1507, 57.3532)
contains.

XYZ(47.8895, 49.9557, 57.5704)	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(47.8895, 49.9557,
57.5704)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBBC1
RGB	187, 187, 193
RGB Percent	73%, 73%, 76%
CMY	0.2667, 0.2666, 0.2431
CMYK	0.03, 0.03, 0.00, 0.24
HSL	240°, 5%, 75%
HSV	240°, 3%, 76%
XYZ	47.8895, 49.9557, 57.5704
YIQ	187.6840, -1.9260, 1.8660

Conversions

Conversions Part 2

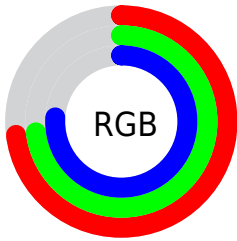
Format	Color
R_{YB}	187, 187, 193
Decimal	12303297
CIE Lab	76.04, 1.13, -3.03
CIE LCh	76, 3.236, 290.500
Yxy	49.9557, 0.3081, 0.3214
Android (android.graphics.Color)	4290493377 (0xFFBBBBC1)
YUV	187.6840, 2.6208, -0.5999
Hunter-Lab	70.6793, -2.7444, 1.1821

Details

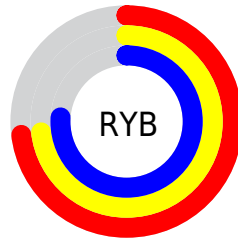
The XYZ color **47.8895, 49.9557, 57.5704** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.0320, 53.0647, 54.6201**, and the grayscale version is **47.6083, 50.0877, 54.5455**.

A 20% lighter version of the original color is **86.1116, 89.9954, 102.4548**, and **23.0902, 24.0120, 28.2287** is the 20% darker color. If you saturate the color by 10%, you get **39.6606, 40.0421, 56.0913**, and if you desaturate by 10%, it is **57.3057, 61.3002, 59.2646**.

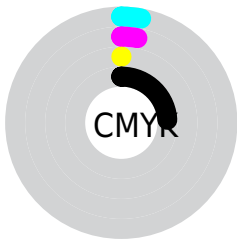
Distribution



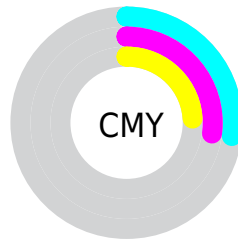
- Red (73%)
- Green (73%)
- Blue (76%)



- Red (73%)
- Yellow (73%)
- Blue (76%)



- Cyan (3%)
- Magenta (3%)
- Yellow (0%)
- Black (24%)



- Cyan (27%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8895, 49.9557, 57.5704 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 47.8895, 49.9557, 57.5704 by changing the saturation by 10% instead.

■ 47.8895, 49.9557,
57.5704

■ 47.8895, 49.9557,
57.5704

368.9439,
386.4927, 433.1367

■ 33.9503, 35.3782,
41.0510

■ 86.2505, 90.1092,
102.8056

■ 23.0181, 23.9544,
28.0389

111.4031,
116.4541, 132.3584

■ 14.7276, 15.2998,
18.1157

141.0241,
147.4901, 167.0928

■ 8.7135, 9.0300,
10.8628

175.4790,
183.6018, 207.4272

■ 4.6104, 4.7608,
5.8616

215.1330,
225.1735, 253.7803

■ 2.0529, 2.1076,
2.6937

260.3516,

■ 0.6634, 0.6689,

272.5896, 306.5706

0.9403

311.5001,
326.2345, 366.2165

■ 0.0000, 0.0000,
0.0000

■ 47.8895, 49.9557,
57.5704

■ 47.8895, 49.9557,
57.5704

■ 39.6606, 40.0421,
56.0913

■ 57.3057, 61.3002,
59.2646

■ 32.5676, 31.4964,
54.8157

■ 67.9490, 74.1226,
61.1786

■ 26.5621, 24.2607,
53.7356

■ 79.8629, 88.4754,
63.3210

■ 21.5903, 18.2702,
52.8414

■ 86.6258, 96.6303,
64.5386

■ 17.5939, 13.4547,
52.1225

■ 14.5089, 9.7371,
51.5675

■ 12.2635, 7.0310,
51.1635

■ 10.7752, 5.2370,
50.8957

■ 9.9451, 4.2360,
50.7463

Harmonies

Analogous

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



47.2899, 49.9557, 57.7420



47.8895, 49.9557, 57.5704



48.3837, 49.9557, 56.5377

Triad

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



47.8895, 49.9557, 57.5704



48.2244, 49.9557, 51.8655



46.3445, 49.9557, 53.8458

Complementary

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



47.8895, 49.9557, 57.5704



50.0320, 53.0647, 54.6201

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.



46.5904, 49.9557, 52.3038



47.8895, 49.9557, 57.5704



47.6734, 49.9557, 51.1765

Square

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



47.8895, 49.9557, 57.5704



48.5782, 49.9557, 53.2361



47.0756, 49.9557, 51.3352



46.4013, 49.9557, 55.5671

Rectangle

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



47.8895, 49.9557, 57.5704



48.5852, 49.9557, 55.5118



47.0756, 49.9557, 51.3352



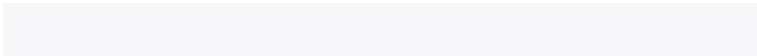
46.3944, 49.9557, 53.2899

Sweetspot

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



47.8909, 49.9578, 57.5715



89.1229, 93.5108, 103.7124



49.1787, 52.5513, 57.9457



19.1377, 20.0827, 22.2530



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.



47.8909, 49.9578, 57.5715



84.2755, 87.6708, 102.8407



48.6070, 50.3261, 57.6048



10.4043, 10.8036, 12.8218



6.4030, 2.5626, 33.7138



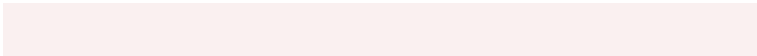
0.2768, 0.1110, 1.4567

Inverse Universe

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



48.7334, 50.4670, 54.1888



86.2350, 88.8550, 94.9728



49.3006, 52.6886, 54.5861



10.6853, 10.9734, 11.6933



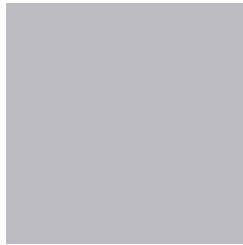
14.6279, 7.5409, 0.6868



0.6321, 0.3258, 0.0300

Previews

White Background



This preview shows how the XYZ color 47.8895, 49.9557, 57.5704 looks on a white background.

Color Contrast Check

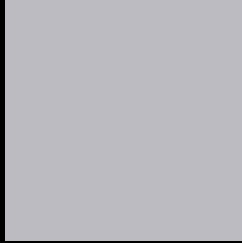
Large Text (above 18pt) WCAG AA × Fail

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 47.8895, 49.9557, 57.5704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

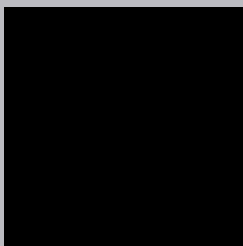
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

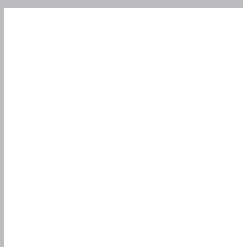
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8895, 49.9557, 57.5704

Background



This preview shows how black text looks on a background with the XYZ color 47.8895, 49.9557, 57.5704.

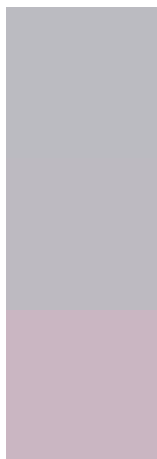


This preview shows how white text looks on a background with the XYZ color 47.8895, 49.9557,

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

47.8895, 49.9557, 57.5704

Protanopia

48.1708, 49.7869, 57.5230

Deuteranopia

50.8227, 49.9075, 57.9934



Tritanopia

48.8406, 50.0262, 62.3402

Trichromacy



Original Color

47.8895, 49.9557, 57.5704

Protanomaly

47.9236, 49.6594, 57.5115

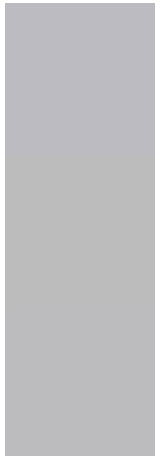
Deuteranomaly

49.9041, 50.0463, 58.0686

Tritanomaly

48.4910, 49.8864, 60.4994

Monochromacy



Original Color

47.8895, 49.9557, 57.5704

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.0165, 50.3755, 55.9079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8895, 49.9557, 57.5704 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 193) }
```

Border

The CSS property to change the border of an element to XYZ 47.8895, 49.9557, 57.5704 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, 193) }
```


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

```
.border{ border-color:rgb(187, 187, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 193);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8895, 49.9557, 57.5704 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, 193) }
```

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

```
.background{ background-color: rgb(187,  
187, 193) }
```

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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