

Converting Colors

XYZ(47.7783, 48.5749, 60.8297)

Have a look what the booklet for
XYZ(47.7783, 48.5749, 60.8297)
contains.

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Color

**XYZ(47.7358, 48.5553,
60.8890)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB7C7
RGB	187, 183, 199
RGB Percent	73%, 72%, 78%
CMY	0.2667, 0.2823, 0.2196
CMYK	0.06, 0.08, 0.00, 0.22
HSL	255°, 12%, 75%
HSV	255°, 8%, 78%
XYZ	47.7358, 48.5553, 60.8890
YIQ	186.0200, -2.7520, 5.8240

Conversions

Conversions Part 2

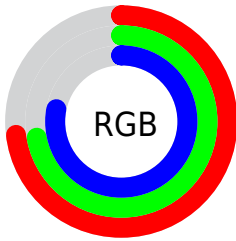
Format	Color
R_{YB}	187, 183, 199
Decimal	12302279
CIE _{Lab}	75.17, 4.45, -7.58
CIE _{LCh}	75, 8.788, 300.421
Yxy	48.5553, 0.3037, 0.3089
Android (android.graphics.Color)	4290492359 (0xFFBBB7C7)
YUV	186.0200, 6.3991, 0.8595
Hunter-Lab	69.6816, 0.3396, -3.0315

Details

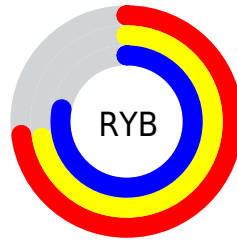
The XYZ color **47.7358, 48.5553, 60.8890** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.4782, 55.8692, 52.8728**, and the grayscale version is **46.6509, 49.0804, 53.4486**.

A 20% lighter version of the original color is **85.8787, 88.0077, 107.0686**, and **22.9250, 23.0779, 30.0343** is the 20% darker color. If you saturate the color by 10%, you get **40.4541, 39.1340, 59.4550**, and if you desaturate by 10%, it is **55.9803, 59.3371, 62.5363**.

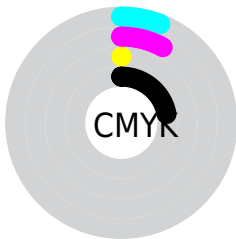
Distribution



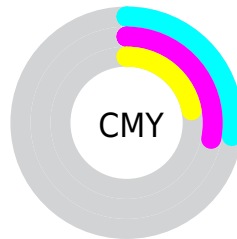
- Red (73%)
- Green (72%)
- Blue (78%)



- Red (73%)
- Yellow (72%)
- Blue (78%)



- Cyan (6%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)



- Cyan (27%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7358, 48.5553, 60.8890 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 47.7358, 48.5553, 60.8890 by changing the saturation by 10% instead.

■ 47.7358, 48.5553,
60.8890

■ 47.7358, 48.5553,
60.8890

368.3440,
380.9890, 445.7622

■ 33.8281, 34.2668,
43.7056

■ 86.0230, 88.0306,
107.6742

■ 22.9238, 23.0987,
30.1037

111.1332,
113.9863, 138.1130

■ 14.6577, 14.6664,
19.6646

140.7082,
144.5998, 173.8075

■ 8.6642, 8.5856,
11.9698

175.1135,
180.2555, 215.1760

■ 4.5782, 4.4719,
6.6008

214.7144,
221.3380, 262.6372

■ 2.0341, 1.9409,
3.1391

259.8762,

■ 0.6530, 0.5728,

268.2314, 316.6096

1.1661

310.9643,
321.3203, 377.5118

■ 0.0000, 0.0000,
0.0000

■ 47.7358, 48.5553,
60.8890

■ 47.7358, 48.5553,
60.8890

■ 40.4541, 39.1340,
59.4550

■ 55.9803, 59.3371,
62.5363

■ 34.0952, 31.0126,
58.2226

■ 65.2173, 71.5244,
64.4019

■ 28.6225, 24.1352,
57.1836

■ 75.4802, 85.1680,
66.4944

■ 23.9952, 18.4390,
56.3280

■ 84.3254, 95.3655,
67.9965

■ 20.1692, 13.8560,
55.6450

■ 87.3089, 96.9036,
68.1362

■ 17.0963, 10.3112,
55.1228

■ 14.7226, 7.7196,
54.7476

■ 12.9862, 5.9826,
54.5039

■ 11.8013, 4.9558,
54.3681

Harmonies

Analogous

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



46.1731, 48.5553, 62.2398



47.7358, 48.5553, 60.8890



48.8955, 48.5553, 57.3672

Triad

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



47.7358, 48.5553, 60.8890



47.6956, 48.5553, 45.5262



43.1232, 48.5553, 52.9336

Complementary

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



47.7358, 48.5553, 60.8890



51.4782, 55.8692, 52.8728

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.



43.5099, 48.5553, 48.6113



47.7358, 48.5553, 60.8890



46.1276, 48.5553, 44.4885

Square

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



47.7358, 48.5553, 60.8890



48.8719, 48.5553, 48.5048



44.6004, 48.5553, 45.5851



43.5317, 48.5553, 57.4863

Rectangle

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



47.7358, 48.5553, 60.8890



49.2710, 48.5553, 54.3578



44.6004, 48.5553, 45.5851



43.1644, 48.5553, 51.4066

Sweetspot

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



47.7372, 48.5574, 60.8901



92.0510, 96.0707, 108.2996



49.4138, 53.3421, 61.7253



19.7342, 20.6042, 23.1869



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.7372, 48.5574, 60.8901



80.7573, 81.3466, 106.0528



49.6807, 49.5593, 60.9810



10.3009, 10.4134, 13.3846



7.5344, 3.1184, 34.9492



0.4255, 0.1831, 1.6581

Inverse Universe

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



50.3387, 49.9514, 58.6207



86.4388, 84.3921, 101.0525



49.5311, 54.8654, 52.7817



10.9655, 10.7696, 12.8015



18.6843, 9.2233, 19.3453



0.9124, 0.4478, 1.0620

Previews

White Background



This preview shows how the XYZ color 47.7358, 48.5553, 60.8890 looks on a white background.

Color Contrast Check

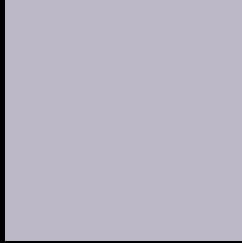
Large Text (above 18pt) WCAG AA × Fail

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 47.7358, 48.5553, 60.8890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

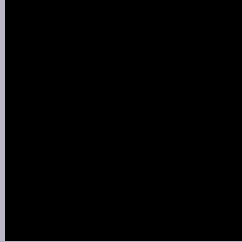
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7358, 48.5553, 60.8890

Background



This preview shows how black text looks on a background with the XYZ color 47.7358, 48.5553, 60.8890.

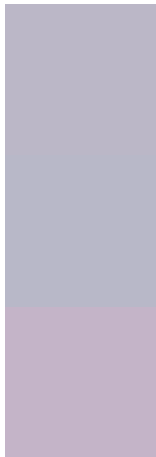


This preview shows how white text looks on a background with the XYZ color 47.7358, 48.5553,

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

47.7358, 48.5553, 60.8890

Protanopia

47.3330, 48.6415, 61.5376

Deuteranopia

49.5115, 48.5484, 61.4048



Tritanopia

47.6200, 48.5090, 60.2794

Trichromacy



Original Color

47.7358, 48.5553, 60.8890

Protanomaly

47.5734, 48.7654, 61.5489

Deuteranomaly

48.9415, 48.5553, 61.4362

Tritanomaly

47.6200, 48.5090, 60.2794

Monochromacy



Original Color

47.7358, 48.5553, 60.8890

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.0026, 48.8986, 56.2513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7358, 48.5553, 60.8890 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, 183, 199)` looks like.

```
.text, #text, p{  
    color:rgb(187, 183, 199)  
}
```

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, 183, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 183, 199) }
```

Border

The CSS property to change the border of an element to XYZ 47.7358, 48.5553, 60.8890 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, 183, 199) }
```


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

```
.border{ border-color:rgb(187, 183, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 183, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 183, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 183, 199);  
box-shadow:4px 4px 4px 4px rgb(187, 183,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7358, 48.5553, 60.8890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 183, 199) }
```

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

```
.background{ background-color: rgb(187,  
183, 199) }
```

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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