

# Converting Colors

XYZ(44.3153, 48.9232, 55.4968)

Have a look what the booklet for  
XYZ(44.3153, 48.9232, 55.4968)  
contains.

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# Color

**XYZ(44.1775, 48.7272,  
55.2210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABBDBD
RGB	171, 189, 189
RGB Percent	67%, 74%, 74%
CMY	0.3294, 0.2588, 0.2588
CMYK	0.10, 0.00, 0.00, 0.26
HSL	180°, 12%, 71%
HSV	180°, 10%, 74%
XYZ	44.1775, 48.7272, 55.2210
YIQ	183.6180, -10.7280, -3.8160

# Conversions

## Conversions Part 2

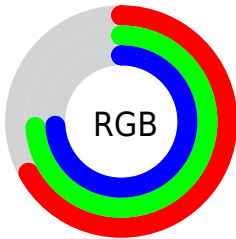
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 180, 189
Decimal	11255229
CIELab	75.28, -6.14, -2.11
CIELCh	75, 6.498, 198.973
Yxy	48.7272, 0.2982, 0.3290
Android (android.graphics.Color)	4289445309 (0xFFABBDBD)
YUV	183.6180, 2.6533, -11.0660
Hunter-Lab	69.8049, -9.1910, 1.9605

# Details

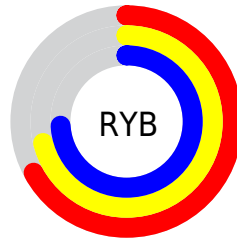
The XYZ color **44.1775, 48.7272, 55.2210** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.9016, 42.8863, 44.5470**, and the grayscale version is **45.3405, 47.7018, 51.9472**.

A 20% lighter version of the original color is **80.4979, 88.0661, 99.1420**, and **20.8558, 23.3078, 26.6922** is the 20% darker color. If you saturate the color by 10%, you get **40.3515, 46.7562, 55.0413**, and if you desaturate by 10%, it is **48.5950, 51.0058, 55.4304**.

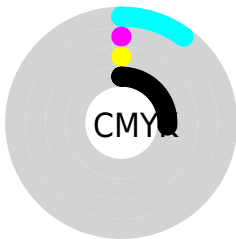
# Distribution



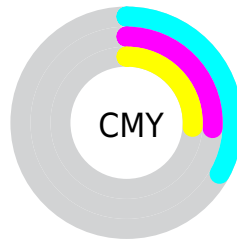
- Red (67%)
- Green (74%)
- Blue (74%)



- Red (67%)
- Yellow (71%)
- Blue (74%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)



- Cyan (33%)
- Magenta (26%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1775, 48.7272, 55.2210 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 44.1775, 48.7272, 55.2210 by changing the saturation by 10% instead.



■ 44.1775, 48.7272,  
55.2210

■ 44.1775, 48.7272,  
55.2210

354.2721,  
381.6674, 424.0547

■ 31.0086, 34.4031,  
39.1789

■ 80.7295, 88.2862,  
99.3391

■ 20.7572, 23.2035,  
26.5900

104.8432,  
114.2898, 128.2521

■ 13.0581, 14.7438,  
17.0358

133.3360,  
144.9555, 162.2926

■ 7.5459, 8.6398,  
10.0978

166.5731,  
180.6675, 201.8790

■ 3.8551, 4.5070,  
5.3574

204.9199,  
221.8103, 247.4298

■ 1.6205, 1.9610,  
2.3961

248.7418,

■ 0.4057, 0.5847,

268.7683, 299.3637

0.7843

298.4041,  
321.9259, 358.0991

■ 0.0000, 0.0000,  
0.0000

■ 44.1775, 48.7272,  
55.2210

■ 44.1775, 48.7272,  
55.2210

■ 40.3515, 46.7562,  
55.0413

■ 48.5950, 51.0058,  
55.4304

■ 37.0879, 45.0738,  
54.8870

■ 53.6232, 53.5979,  
55.6673

■ 34.3616, 43.6683,  
54.7578

■ 59.2856, 56.5169,  
55.9339

■ 32.1437, 42.5250,  
54.6524

■ 65.6032, 59.7737,  
56.2312

■ 30.4027, 41.6275,  
54.5693

■ 68.6255, 61.3317,  
56.3743

■ 29.1038, 40.9580,  
54.5069

■ 68.6258, 61.3319,  
56.3759

■ 28.2071, 40.4957,  
54.4633

■ 68.6261, 61.3320,  
56.3775

■ 27.6658, 40.2167,  
54.4363

■ 68.6264, 61.3321,  
56.3792

■ 27.3924, 40.0758,  
54.4219

■ 68.6267, 61.3322,  
56.3808

# Harmonies

## Analogous

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



44.0978, 48.7272, 51.8086



44.1775, 48.7272, 55.2210



44.8238, 48.7272, 58.1693

# Triad

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



44.1775, 48.7272, 55.2210



48.0665, 48.7272, 57.4873



46.7540, 48.7272, 46.8632

# Complementary

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



44.1775, 48.7272, 55.2210



42.9016, 42.8863, 44.5470

# 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.



47.8364, 48.7272, 48.2508



44.1775, 48.7272, 55.2210



48.6027, 48.7272, 54.3226

# Square

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



44.1775, 48.7272, 55.2210



47.0638, 48.7272, 59.5160



48.5178, 48.7272, 50.9476



45.5717, 48.7272, 47.0805



# Rectangle

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



44.1775, 48.7272, 55.2210



45.4953, 48.7272, 59.4291



48.5178, 48.7272, 50.9476



47.1420, 48.7272, 47.1550

# Sweetspot

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



44.1789, 48.7292, 55.2221



84.1202, 89.8473, 99.1340



42.4097, 48.0291, 45.5643



17.9504, 19.2495, 21.3118



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.



44.1789, 48.7292, 55.2221



77.9174, 86.6497, 98.8413



42.3632, 45.0974, 54.6183



9.8086, 10.8095, 12.2414



18.4220, 26.9591, 36.6148



0.7216, 1.0560, 1.4343

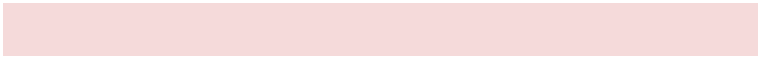


# Inverse Universe

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



42.9016, 42.8863, 44.5470



75.2633, 74.5084, 76.6594



44.5995, 46.2824, 45.1117



9.5303, 9.5364, 9.9153



14.1204, 7.2793, 0.6615



0.5531, 0.2851, 0.0260



# Previews

## White Background



This preview shows how the XYZ color 44.1775, 48.7272, 55.2210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

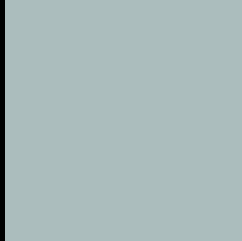
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.1775, 48.7272, 55.2210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

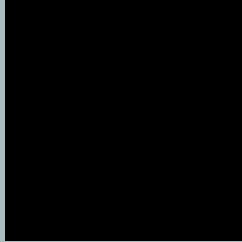
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

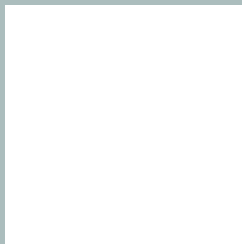
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.1775, 48.7272, 55.2210**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.1775, 48.7272, 55.2210.



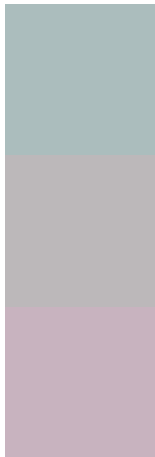
This preview shows how white text looks on a background with the XYZ color 44.1775, 48.7272,



# 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

44.1775, 48.7272, 55.2210

### Protanopia

46.7425, 48.5175, 53.3556

### Deuteranopia

49.3435, 48.2811, 56.0087



## Tritanopia

45.6646, 48.6892, 62.8683

# Trichromacy



## Original Color

44.1775, 48.7272, 55.2210

## Protanomaly

45.8199, 48.6508, 53.9893

## Deuteranomaly

47.2140, 48.4035, 55.5696

## Tritanomaly

45.0745, 48.7683, 59.8609

# Monochromacy



## Original Color

44.1775, 48.7272, 55.2210

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

45.0122, 48.2467, 53.3945

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.1775, 48.7272, 55.2210 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(171, 189, 189)` looks like.

```
.text, #text, p{  
    color:rgb(171, 189, 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(171, 189, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 189, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 44.1775, 48.7272, 55.2210 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(171, 189, 189) }
```



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

```
.border{ border-color:rgb(171, 189, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 189, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 189, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 189, 189);  
box-shadow:4px 4px 4px 4px rgb(171, 189,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.1775, 48.7272, 55.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 189, 189) }
```

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

```
.background{ background-color: rgb(171,  
189, 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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