

Converting Colors

XYZ(48.7480, 54.4223, 73.5809)

Have a look what the booklet for
XYZ(48.7480, 54.4223, 73.5809)
contains.

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Color

**XYZ(48.6957, 54.3176,
73.5635)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C8D9
RGB	165, 200, 217
RGB Percent	65%, 78%, 85%
CMY	0.3529, 0.2157, 0.1490
CMYK	0.24, 0.08, 0.00, 0.15
HSL	200°, 41%, 75%
HSV	200°, 24%, 85%
XYZ	48.6957, 54.3176, 73.5635
YIQ	191.4730, -26.3170, -2.1330

Conversions

Conversions Part 2

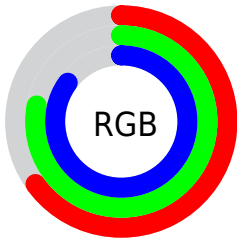
Format	Color
R _{YB}	165, 186, 217
Decimal	10864857
CIE Lab	78.65, -7.87, -12.31
CIE LCh	79, 14.613, 237.402
Yxy	54.3176, 0.2758, 0.3076
Android (android.graphics.Color)	4289054937 (0xFFA5C8D9)
YUV	191.4730, 12.5848, -23.2168
Hunter-Lab	73.7005, -11.0365, -7.5895

Details

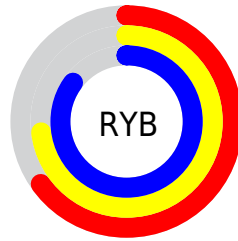
The XYZ color **48.6957, 54.3176, 73.5635** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.1354, 50.9246, 42.6801**, and the grayscale version is **49.7373, 52.3275, 56.9846**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **23.4826, 26.6111, 38.0812** is the 20% darker color. If you saturate the color by 10%, you get **42.9549, 48.9769, 72.8361**, and if you desaturate by 10%, it is **55.2818, 60.2100, 74.3546**.

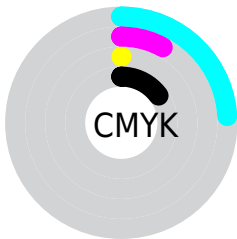
Distribution



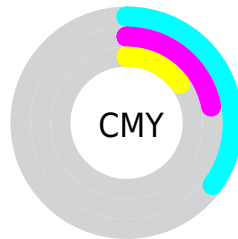
- Red (65%)
- Green (78%)
- Blue (85%)



- Red (65%)
- Yellow (73%)
- Blue (85%)



- Cyan (24%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)



- Cyan (35%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6957, 54.3176, 73.5635 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 48.6957, 54.3176, 73.5635 by changing the saturation by 10% instead.

■ 48.6957, 54.3176,
73.5635

■ 48.6957, 54.3176,
73.5635

372.0800,
403.3200, 492.0885

■ 34.5917, 38.8556,
53.9422

■ 87.4428, 96.5404,
126.0052

■ 23.5136, 26.6474,
38.1626

■ 112.8166,
124.0700, 159.6626

■ 15.0959, 17.3086,
25.8061

142.6776,
156.3910, 198.8359

■ 8.9735, 10.4548,
16.4542

177.3914,
193.8878, 243.9436

■ 4.7809, 5.7015,
9.6883

217.3231,
236.9446, 295.4041

■ 2.1527, 2.6644,
5.0899

262.8382,

■ 0.7176, 0.9592,

285.9460, 353.6361

2.2404

314.3021,
341.2763, 419.0581

■ 0.0000, 0.0000,
0.6976

■ 0.0000, 0.0000,
0.0000

■ 48.6957, 54.3176,
73.5635

■ 48.6957, 54.3176,
73.5635

■ 42.9549, 48.9769,
72.8361

■ 55.2818, 60.2100,
74.3546

■ 38.0148, 44.1592,
72.1666

■ 62.7453, 66.6679,
75.2078

■ 33.8341, 39.8431,
71.5538

■ 71.1223, 73.7129,
76.1261

■ 30.3653, 36.0026,
70.9954

■ 80.4455, 81.3633,
77.1113

■ 27.5554, 32.6086,
70.4884

■ 83.6079, 85.9565,
77.8312

■ 25.3432, 29.6280,
70.0296

■ 85.6849, 90.1105,
78.5236

■ 23.6544, 27.0208,
69.6154

■ 87.8439, 94.4284,
79.2432

■ 22.8139, 25.5884,
69.3832

■ 89.5246, 97.7898,
79.8035

Harmonies

Analogous

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



46.8569, 54.3176, 66.7605



48.6957, 54.3176, 73.5635



51.3762, 54.3176, 76.4771

Triad

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



48.6957, 54.3176, 73.5635



57.3700, 54.3176, 59.8658



49.1158, 54.3176, 46.1285

Complementary

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



48.6957, 54.3176, 73.5635



52.1354, 50.9246, 42.6801

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.



51.8791, 54.3176, 44.6480



48.6957, 54.3176, 73.5635



56.7109, 54.3176, 52.1275

Square

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



48.6957, 54.3176, 73.5635



56.4436, 54.3176, 68.1221



54.6742, 54.3176, 46.7415



47.0930, 54.3176, 50.9891

Rectangle

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



48.6957, 54.3176, 73.5635



53.3043, 54.3176, 75.6364



54.6742, 54.3176, 46.7415



49.9858, 54.3176, 45.2399

Sweetspot

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



48.6973, 54.3198, 73.5647



86.9519, 93.1039, 107.9957



48.7195, 60.9815, 53.1715



18.4684, 19.8050, 23.0993



0.0000, 0.0000, 0.0000



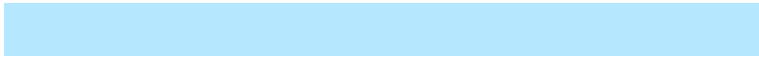
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6973, 54.3198, 73.5647



65.6453, 74.1049, 105.4515



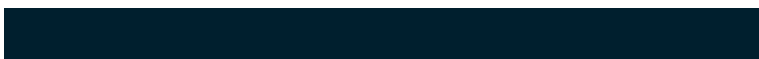
43.2819, 43.4889, 71.7596



13.0675, 14.0747, 16.6801



13.9102, 15.6898, 42.0337



0.9785, 1.1710, 2.7489

Inverse Universe

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



52.4971, 45.8334, 60.7258



72.1734, 60.0878, 83.2675



57.8339, 62.3215, 44.5796



13.4239, 13.1987, 15.4937



20.5165, 10.2077, 17.6320



1.3682, 0.6769, 1.3477

Previews

White Background



This preview shows how the XYZ color 48.6957, 54.3176, 73.5635 looks on a white background.

Color Contrast Check

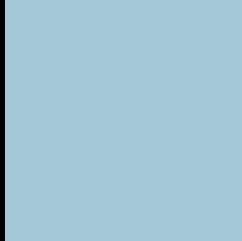
Large Text (above 18pt) WCAG AA × Fail

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 48.6957, 54.3176, 73.5635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

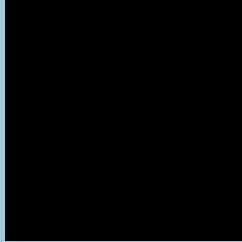
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6957, 54.3176, 73.5635

Background



This preview shows how black text looks on a background with the XYZ color 48.6957, 54.3176, 73.5635.



This preview shows how white text looks on a background with the XYZ color 48.6957, 54.3176,

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

48.6957, 54.3176, 73.5635

Protanopia

52.8184, 54.1505, 70.6190

Deuteranopia

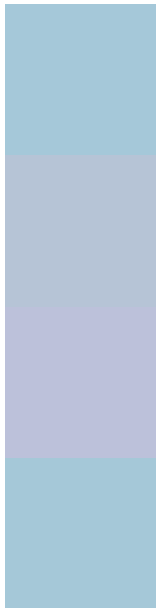
55.0712, 53.9272, 74.5243



Tritanopia

48.5660, 54.2658, 72.8804

Trichromacy



Original Color

48.6957, 54.3176, 73.5635

Protanomaly

51.1689, 54.2800, 71.3985

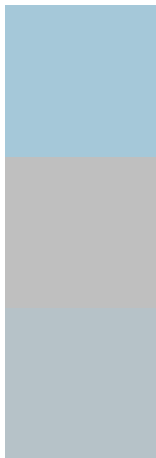
Deuteranomaly

52.4639, 53.8933, 73.9670

Tritanomaly

48.5660, 54.2658, 72.8804

Monochromacy



Original Color

48.6957, 54.3176, 73.5635

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.0085, 52.6988, 62.2324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6957, 54.3176, 73.5635 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(165, 200, 217)` looks like.

```
.text, #text, p{  
    color:rgb(165, 200, 217)  
}
```

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(165, 200, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 200, 217) }
```

Border

The CSS property to change the border of an element to XYZ 48.6957, 54.3176, 73.5635 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(165, 200, 217) }
```


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

```
.border{ border-color:rgb(165, 200, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 200, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 200, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 200, 217);  
box-shadow:4px 4px 4px 4px rgb(165, 200,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6957, 54.3176, 73.5635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 200, 217) }
```

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

```
.background{ background-color: rgb(165,  
200, 217) }
```

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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