

Converting Colors

XYZ(48.6776, 55.2522, 74.8671)

Have a look what the booklet for
XYZ(48.6776, 55.2522, 74.8671)
contains.

XYZ(48.8401, 55.4034, 75.1376)	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(48.8401, 55.4034,
75.1376)**

Conversions

Conversions Part 1

Format	Color
Hex	A1CBDB
RGB	161, 203, 219
RGB Percent	63%, 80%, 86%
CMY	0.3686, 0.2039, 0.1412
CMYK	0.26, 0.07, 0.00, 0.14
HSL	197°, 45%, 75%
HSV	197°, 26%, 86%
XYZ	48.8401, 55.4034, 75.1376
YIQ	192.2660, -30.1680, -3.9280

Conversions

Conversions Part 2

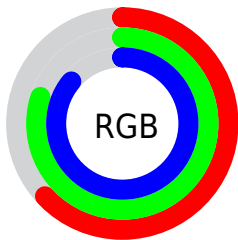
Format	Color
RYB	161, 185, 219
Decimal	10603483
CIELab	79.27, -10.18, -12.47
CIELCh	79, 16.099, 230.787
Yxy	55.4034, 0.2723, 0.3089
Android (android.graphics.Color)	4288793563 (0xFFA1CBDB)
YUV	192.2660, 13.1799, -27.4203
Hunter-Lab	74.4335, -13.1344, -7.7475

Details

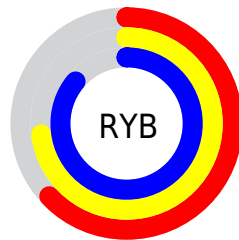
The XYZ color **48.8401, 55.4034, 75.1376** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.3694, 49.0781, 40.4852**, and the grayscale version is **50.1977, 52.8119, 57.5121**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **23.6326, 27.3634, 39.1580** is the 20% darker color. If you saturate the color by 10%, you get **43.4089, 50.5282, 74.4838**, and if you desaturate by 10%, it is **55.1032, 60.7927, 75.8487**.

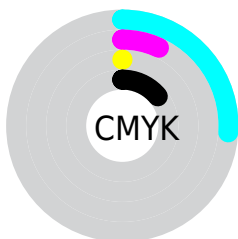
Distribution



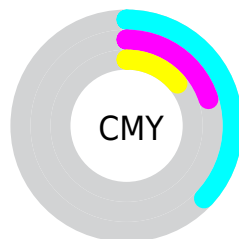
- Red (63%)
- Green (80%)
- Blue (86%)



- Red (63%)
- Yellow (73%)
- Blue (86%)



- Cyan (26%)
- Magenta (7%)
- Yellow (0%)
- Black (14%)



- Cyan (37%)
- Magenta (20%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8401, 55.4034, 75.1376 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 48.8401, 55.4034, 75.1376 by changing the saturation by 10% instead.

■ 48.8401, 55.4034,
75.1376

■ 48.8401, 55.4034,
75.1376

372.6399,
407.4393, 497.6584

■ 34.7067, 39.7248,
55.2232

■ 87.6561, 98.1317,
128.2560

■ 23.6025, 27.3240,
39.1807

■ 113.0693,
125.9503, 162.2971

■ 15.1621, 17.8167,
26.5914

142.9732,
158.5842, 201.8842

■ 9.0203, 10.8185,
17.0369

177.7331,
196.4180, 247.4358

■ 4.8116, 5.9449,
10.0985

217.7144,
239.8360, 299.3705

■ 2.1708, 2.8116,
5.3579

263.2824,

■ 0.7273, 1.0342,

289.2226, 358.1068

2.3964

314.8024,
344.9622, 424.0633

■ 0.0000, 0.0000,
0.7845

■ 0.0000, 0.0000,
0.0000

■ 48.8401, 55.4034,
75.1376

■ 48.8401, 55.4034,
75.1376

■ 43.4089, 50.5282,
74.4838

■ 55.1032, 60.7927,
75.8487

■ 38.7637, 46.1384,
73.8813

■ 62.2311, 66.7100,
76.6151

■ 34.8615, 42.2122,
73.3291

■ 70.2611, 73.1766,
77.4401

■ 31.6529, 38.7234,
72.8248

■ 79.2267, 80.2108,
78.3253

■ 29.0824, 35.6422,
72.3656

■ 83.2239, 84.7697,
78.9946

■ 27.0850, 32.9342,
71.9482

■ 84.9654, 88.2527,
79.5751

■ 25.5787, 30.5560,
71.5685

■ 86.7661, 91.8540,
80.1753

■ 25.1150, 29.7717,
71.4416

■ 88.6264, 95.5746,
80.7954

■ 89.7864, 97.8945,
81.1820

Harmonies

Analogous

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



47.0788, 55.4034, 66.8412



48.8401, 55.4034, 75.1376



51.6739, 55.4034, 79.5816

Triad

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



48.8401, 55.4034, 75.1376



59.0123, 55.4034, 63.2094



50.4917, 55.4034, 45.2154

Complementary

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



48.8401, 55.4034, 75.1376



51.3694, 49.0781, 40.4852

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.



53.6571, 55.4034, 44.4558



48.8401, 55.4034, 75.1376



58.6642, 55.4034, 54.2465

Square

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



48.8401, 55.4034, 75.1376



57.6051, 55.4034, 72.2475



56.6725, 55.4034, 47.5993



48.0050, 55.4034, 49.7919

Rectangle

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



48.8401, 55.4034, 75.1376



53.8269, 55.4034, 79.4799



56.6725, 55.4034, 47.5993



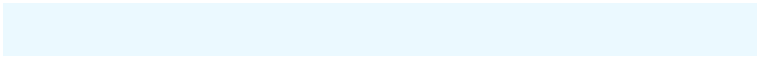
51.5086, 55.4034, 44.5249

Sweetspot

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



48.8418, 55.4056, 75.1389



86.1702, 92.7964, 107.9776



47.9134, 61.3943, 50.6431



18.1064, 19.5844, 23.0758



0.0000, 0.0000, 0.0000



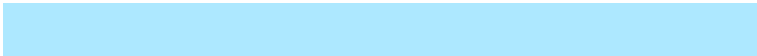
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8418, 55.4056, 75.1389



64.3676, 74.1408, 105.5258



42.7247, 43.1716, 73.0999



13.1254, 14.1906, 16.6994



14.9878, 17.8450, 42.3929



1.0417, 1.2975, 2.7700

Inverse Universe

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



52.7392, 44.8631, 62.3821



70.8960, 57.1550, 84.0067



57.5906, 61.5207, 42.5590



13.4532, 13.2104, 15.6477



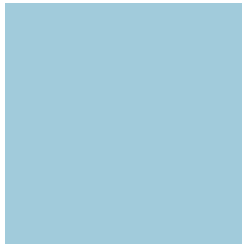
21.0605, 10.4252, 20.4963



1.4001, 0.6897, 1.5158

Previews

White Background



This preview shows how the XYZ color 48.8401, 55.4034, 75.1376 looks on a white background.

Color Contrast Check

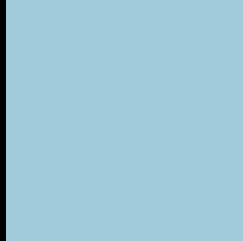
Large Text (above 18pt) WCAG AA × Fail

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 48.8401, 55.4034, 75.1376 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 48.8401, 55.4034, 75.1376

Background



This preview shows how black text looks on a background with the XYZ color 48.8401, 55.4034, 75.1376.



This preview shows how white text looks on a background with the XYZ color 48.8401, 55.4034,

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

48.8401, 55.4034, 75.1376

Protanopia

53.9008, 55.3546, 71.4620

Deuteranopia

56.4442, 55.2320, 76.7932



Tritanopia

48.8401, 55.4034, 75.1376

Trichromacy



Original Color

48.8401, 55.4034, 75.1376

Protanomaly

51.8802, 55.2911, 72.9036

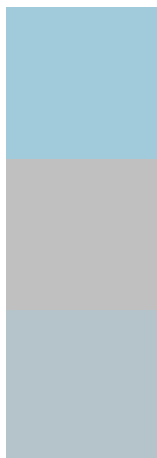
Deuteranomaly

53.3053, 54.9420, 76.2020

Tritanomaly

48.8401, 55.4034, 75.1376

Monochromacy



Original Color

48.8401, 55.4034, 75.1376

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.4567, 53.5679, 63.6101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8401, 55.4034, 75.1376 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(161, 203, 219)` looks like.

```
.text, #text, p{  
    color:rgb(161, 203, 219)  
}
```

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(161, 203, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 203, 219) }
```

Border

The CSS property to change the border of an element to XYZ 48.8401, 55.4034, 75.1376 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(161, 203, 219) }
```


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

```
.border{ border-color:rgb(161, 203, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 203, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 203, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 203, 219);  
box-shadow:4px 4px 4px 4px rgb(161, 203,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8401, 55.4034, 75.1376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 203, 219) }
```

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

```
.background{ background-color: rgb(161,  
203, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor