

Converting Colors

XYZ(34.9562, 44.3550, 55.5707)

Have a look what the booklet for
XYZ(34.9562, 44.3550, 55.5707)
contains.

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Color

**XYZ(34.9102, 44.2576,
55.4178)**

Conversions

Conversions Part 1

Format	Color
Hex	74BEBE
RGB	116, 190, 190
RGB Percent	45%, 75%, 75%
CMY	0.5451, 0.2549, 0.2549
CMYK	0.39, 0.00, 0.00, 0.25
HSL	180°, 36%, 60%
HSV	180°, 39%, 75%
XYZ	34.9102, 44.2576, 55.4178
YIQ	167.8740, -44.1040, -15.6880

Conversions

Conversions Part 2

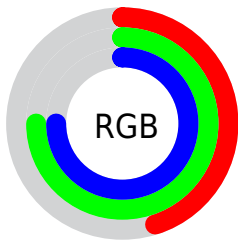
Format	Color
RYB	116, 153, 190
Decimal	7651006
CIELab	72.40, -22.96, -7.27
CIElCh	72, 24.084, 197.567
Yxy	44.2576, 0.2594, 0.3288
Android (android.graphics.Color)	4285841086 (0xFF74BEBE)
YUV	167.8740, 10.9081, -45.4935
Hunter-Lab	66.5264, -22.7520, -2.8213

Details

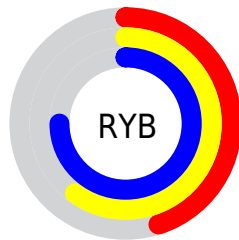
The XYZ color **34.9102, 44.2576, 55.4178** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.6345, 24.7003, 19.6777**, and the grayscale version is **37.1224, 39.0557, 42.5317**.

A 20% lighter version of the original color is **66.6899, 81.8333, 99.4693**, and **15.2440, 20.4066, 26.8023** is the 20% darker color. If you saturate the color by 10%, you get **32.6386, 43.0876, 55.3122**, and if you desaturate by 10%, it is **37.7009, 45.6973, 55.5497**.

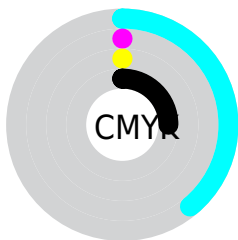
Distribution



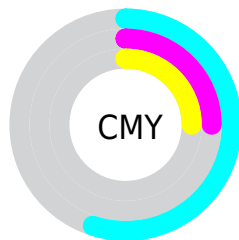
- Red (45%)
- Green (75%)
- Blue (75%)



- Red (45%)
- Yellow (60%)
- Blue (75%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)



- Cyan (55%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9102, 44.2576, 55.4178 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 34.9102, 44.2576, 55.4178 by changing the saturation by 10% instead.

■ 34.9102, 44.2576,
55.4178

■ 34.9102, 44.2576,
55.4178

315.6867,
363.7584, 424.8202

■ 23.7599, 30.8731,
39.3355

■ 66.6816, 81.6052,
99.6301

■ 15.2794, 20.5022,
26.7110

■ 88.0333, 106.3371,
128.5972

■ 9.1033, 12.7606,
17.1258

■ 113.5163,
135.6203, 162.6962

■ 4.8663, 7.2639,
10.1613

143.4959,
169.8390, 202.3458

■ 2.2030, 3.6277,
5.3990

178.3373,
209.3778, 247.9644

■ 0.7443, 1.4676,
2.4204

218.4061,

■ 0.0000, 0.2657,

254.6211, 299.9707

0.7975

264.0674,
305.9532, 358.7831

■ 0.0000, 0.0000,
0.0000

■ 34.9102, 44.2576,
55.4178

■ 34.9102, 44.2576,
55.4178

■ 32.6386, 43.0876,
55.3122

■ 37.7009, 45.6973,
55.5497

■ 30.8506, 42.1659,
55.2282

■ 41.0359, 47.4166,
55.7060

■ 29.5122, 41.4759,
55.1653

■ 44.9433, 49.4309,
55.8892

■ 28.5835, 40.9972,
55.1215

■ 49.4483, 51.7533,
56.1003

■ 28.0176, 40.7054,
55.0948

■ 54.5743, 54.3959,
56.3405

■ 27.7333, 40.5589,
55.0812

■ 60.3438, 57.3701,
56.6108

■ 27.7082, 40.5460,
55.0800

■ 66.7780, 60.6871,
56.9122

■ 68.9490, 61.8063,
57.0141

■ 68.9491, 61.8063,
57.0143

Harmonies

Analogous

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



34.7471, 44.2576, 43.4363



34.9102, 44.2576, 55.4178



36.9099, 44.2576, 67.0919

Triad

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



34.9102, 44.2576, 55.4178



48.2315, 44.2576, 65.3038



43.8063, 44.2576, 29.1463

Complementary

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



34.9102, 44.2576, 55.4178



30.6345, 24.7003, 19.6777

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.



47.6801, 44.2576, 33.2187



34.9102, 44.2576, 55.4178



50.3455, 44.2576, 53.2763

Square

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



34.9102, 44.2576, 55.4178



44.5192, 44.2576, 73.4128



50.1373, 44.2576, 41.6179



39.7037, 44.2576, 29.5268

Rectangle

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



34.9102, 44.2576, 55.4178



39.0946, 44.2576, 72.5381



50.1373, 44.2576, 41.6179



45.1833, 44.2576, 30.0079

Sweetspot

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



34.9115, 44.2593, 55.4188



79.0246, 88.3271, 101.1623



28.9348, 41.8877, 23.0842



17.1442, 19.2882, 22.2045



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.



34.9115, 44.2593, 55.4188



59.5849, 78.3056, 100.2507



28.0923, 30.6205, 53.1468



9.8086, 10.8096, 12.2416



18.4237, 26.9598, 36.6237



0.7217, 1.0560, 1.4346

Inverse Universe

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



30.6345, 24.7003, 19.6777



50.7139, 37.7375, 26.1189



35.5796, 34.5905, 21.3255



9.5302, 9.5364, 9.9151



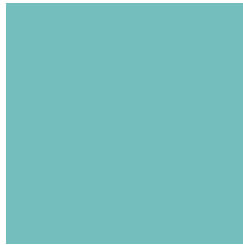
14.1203, 7.2793, 0.6609



0.5531, 0.2851, 0.0259

Previews

White Background



This preview shows how the XYZ color 34.9102, 44.2576, 55.4178 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 34.9102, 44.2576, 55.4178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

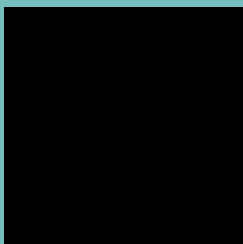
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

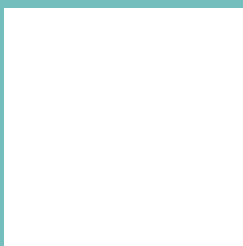
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9102, 44.2576, 55.4178

Background



This preview shows how black text looks on a background with the XYZ color 34.9102, 44.2576, 55.4178.

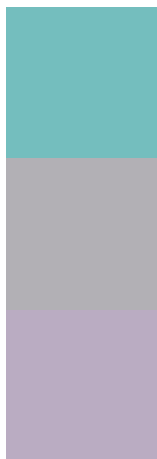


This preview shows how white text looks on a background with the XYZ color 34.9102, 44.2576,

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

34.9102, 44.2576, 55.4178

Protanopia

42.2259, 43.8518, 49.9548

Deuteranopia

44.7398, 43.8392, 57.1427



Tritanopia

36.5084, 44.2713, 63.1209

Trichromacy



Original Color

34.9102, 44.2576, 55.4178

Protanomaly

38.6932, 43.4770, 51.7000

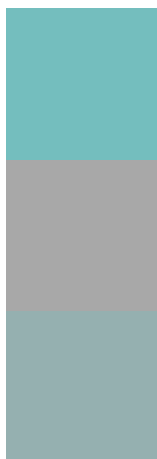
Deuteranomaly

40.4437, 43.6675, 56.7491

Tritanomaly

35.9984, 44.3943, 60.0977

Monochromacy



Original Color

34.9102, 44.2576, 55.4178

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.7562, 40.5748, 47.0215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9102, 44.2576, 55.4178 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(116, 190, 190)` looks like.

```
.text, #text, p{  
    color:rgb(116, 190, 190)  
}
```

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(116, 190, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 190, 190) }
```

Border

The CSS property to change the border of an element to XYZ 34.9102, 44.2576, 55.4178 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(116, 190, 190) }
```


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

```
.border{ border-color:rgb(116, 190, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 190, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 190, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 190, 190);  
box-shadow:4px 4px 4px 4px rgb(116, 190,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9102, 44.2576, 55.4178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 190, 190) }
```

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

```
.background{ background-color: rgb(116,  
190, 190) }
```

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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