

Converting Colors

XYZ(34.9217, 44.3166, 56.4996)

Have a look what the booklet for
XYZ(34.9217, 44.3166, 56.4996)
contains.

XYZ(34.8673, 44.2101, 56.5649)	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(34.8673, 44.2101,
56.5649)**

Conversions

Conversions Part 1

Format	Color
Hex	72BEC0
RGB	114, 190, 192
RGB Percent	45%, 75%, 75%
CMY	0.5529, 0.2549, 0.2471
CMYK	0.41, 0.01, 0.00, 0.25
HSL	182°, 38%, 60%
HSV	182°, 41%, 75%
XYZ	34.8673, 44.2101, 56.5649
YIQ	167.5040, -45.9380, -15.4900

Conversions

Conversions Part 2

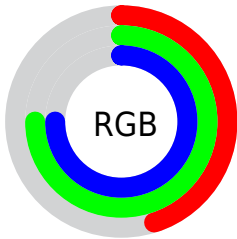
Format	Color
RYB	114, 152, 192
Decimal	7519936
CIELab	72.37, -22.97, -8.42
CIElCh	72, 24.465, 200.126
Yxy	44.2101, 0.2571, 0.3259
Android (android.graphics.Color)	4285710016 (0xFF72BEC0)
YUV	167.5040, 12.0765, -46.9230
Hunter-Lab	66.4907, -22.7544, -3.8957

Details

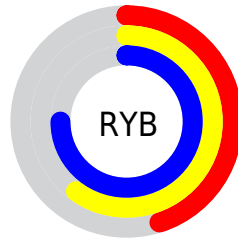
The XYZ color **34.8673, 44.2101, 56.5649** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.0215, 24.9127, 19.0942**, and the grayscale version is **36.9365, 38.8601, 42.3186**.

A 20% lighter version of the original color is **66.7816, 81.8449, 101.0848**, and **15.2093, 20.3719, 27.5567** is the 20% darker color. If you saturate the color by 10%, you get **32.5213, 42.8439, 56.4256**, and if you desaturate by 10%, it is **37.7405, 45.8507, 56.7309**.

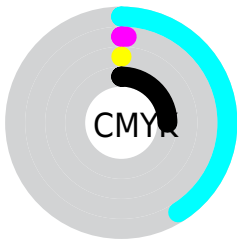
Distribution



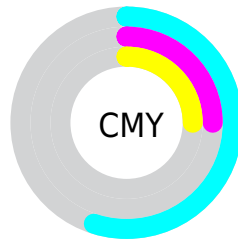
- Red (45%)
- Green (75%)
- Blue (75%)



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



- Cyan (41%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8673, 44.2101, 56.5649 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 34.8673, 44.2101, 56.5649 by changing the saturation by 10% instead.

■ 34.8673, 44.2101,
56.5649

■ 34.8673, 44.2101,
56.5649

315.5005,
363.5649, 429.2649

■ 23.7267, 30.8357,
40.2490

■ 66.6155, 81.5338,
101.3241

■ 15.2547, 20.4738,
27.4175

■ 87.9539, 106.2519,
130.6044

■ 9.0858, 12.7399,
17.6518

■ 113.4222,
135.5200, 165.0433

■ 4.8547, 7.2497,
10.5334

143.3858,
169.7226, 205.0593

■ 2.1962, 3.6187,
5.6439

178.2101,
209.2440, 251.0709

■ 0.7407, 1.4627,
2.5645

218.2604,

■ 0.0000, 0.2622,

254.4686, 303.4966

0.8740

263.9021,
305.7808, 362.7551

■ 0.0000, 0.0000,
0.0000

■ 34.8673, 44.2101,
56.5649

■ 34.8673, 44.2101,
56.5649

■ 32.5213, 42.8439,
56.4256

■ 37.7405, 45.8507,
56.7309

■ 30.6655, 41.7298,
56.3084

■ 41.1671, 47.7762,
56.9219

■ 29.2643, 40.8507,
56.2125

■ 45.1764, 50.0025,
57.1404

■ 28.2758, 40.1848,
56.1361

■ 49.7943, 52.5432,
57.3874

■ 27.6501, 39.7065,
56.0768

■ 55.0454, 55.4107,
57.6641

■ 27.3025, 39.3818,
56.0324

■ 60.9527, 58.6172,
57.9717

■ 67.5382, 62.1737,
58.3110

■ 70.0326, 63.6218,
58.4591

■ 70.1422, 63.8410,
58.4956

Harmonies

Analogous

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



34.5377, 44.2101, 44.2693



34.8673, 44.2101, 56.5649



37.0403, 44.2101, 68.2164

Triad

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



34.8673, 44.2101, 56.5649



48.5455, 44.2101, 64.5864



43.4242, 44.2101, 28.7157

Complementary

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



34.8673, 44.2101, 56.5649



31.0215, 24.9127, 19.0942

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.



47.4279, 44.2101, 32.4442



34.8673, 44.2101, 56.5649



50.5125, 44.2101, 52.2243

Square

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



34.8673, 44.2101, 56.5649



44.8683, 44.2101, 73.3573



50.0904, 44.2101, 40.5913



39.2956, 44.2101, 29.4824

Rectangle

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



34.8673, 44.2101, 56.5649



39.3275, 44.2101, 73.4034



50.0904, 44.2101, 40.5913



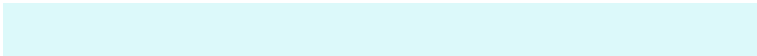
44.8335, 44.2101, 29.4573

Sweetspot

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



34.8686, 44.2118, 56.5659



80.6447, 89.9307, 103.4682



28.9018, 42.5223, 22.9956



17.0877, 19.1750, 22.1858



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.



34.8686, 44.2118, 56.5659



59.2475, 77.8193, 102.2582



27.6344, 29.7434, 54.1545



10.3457, 11.3827, 12.9366



18.3806, 26.5177, 37.7063



0.8013, 1.1600, 1.6315

Inverse Universe

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



37.0509, 26.9598, 51.9681



63.7880, 42.3013, 92.6073



36.3816, 35.6327, 20.8808



10.4858, 10.2429, 12.6487



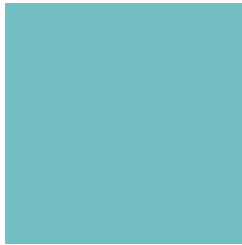
20.6737, 9.9592, 32.5232



0.8968, 0.4317, 1.4241

Previews

White Background



This preview shows how the XYZ color 34.8673, 44.2101, 56.5649 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 34.8673, 44.2101, 56.5649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

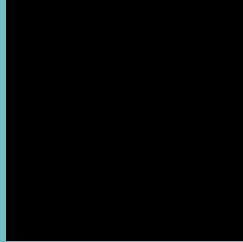
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8673, 44.2101, 56.5649

Background



This preview shows how black text looks on a background with the XYZ color 34.8673, 44.2101, 56.5649.

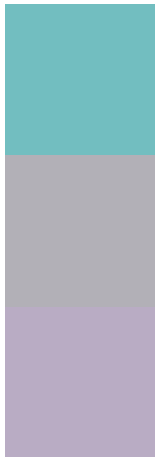


This preview shows how white text looks on a background with the XYZ color 34.8673, 44.2101,

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

34.8673, 44.2101, 56.5649

Protanopia

42.4327, 43.9345, 51.0435

Deuteranopia

44.7239, 43.8049, 58.3225



Tritanopia

36.0988, 44.0601, 63.1018

Trichromacy



Original Color

34.8673, 44.2101, 56.5649

Protanomaly

38.9044, 43.5615, 52.8121

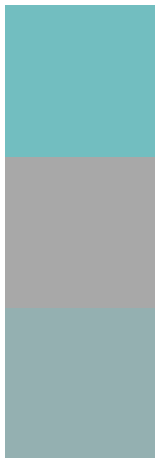
Deuteranomaly

40.2685, 43.5513, 57.9136

Tritanomaly

35.7089, 44.2317, 60.6883

Monochromacy



Original Color

34.8673, 44.2101, 56.5649

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.6739, 40.5209, 47.5361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8673, 44.2101, 56.5649 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(114, 190, 192)` looks like.

```
.text, #text, p{  
    color:rgb(114, 190, 192)  
}
```

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(114, 190, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 190, 192) }
```

Border

The CSS property to change the border of an element to XYZ 34.8673, 44.2101, 56.5649 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(114, 190, 192) }
```


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

```
.border{ border-color:rgb(114, 190, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 190, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 190, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 190, 192);  
box-shadow:4px 4px 4px 4px rgb(114, 190,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8673, 44.2101, 56.5649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 190, 192) }
```

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

```
.background{ background-color: rgb(114,  
190, 192) }
```

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