

Converting Colors

XYZ(45.2121, 55.7264, 67.4952)

Have a look what the booklet for
XYZ(45.2121, 55.7264, 67.4952)
contains.

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Color

**XYZ(45.2183, 55.8567,
67.4297)**

Conversions

Conversions Part 1

Format	Color
Hex	8ED1CF
RGB	142, 209, 207
RGB Percent	56%, 82%, 81%
CMY	0.4431, 0.1804, 0.1882
CMYK	0.32, 0.00, 0.01, 0.18
HSL	178°, 42%, 69%
HSV	178°, 32%, 82%
XYZ	45.2183, 55.8567, 67.4297
YIQ	188.7390, -39.2900, -14.8260

Conversions

Conversions Part 2

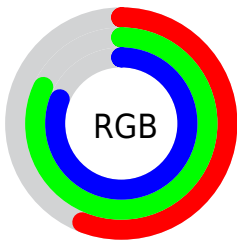
Format	Color
RYB	142, 176, 209
Decimal	9359823
CIELab	79.53, -21.45, -5.76
CIELCh	80, 22.211, 195.042
Yxy	55.8567, 0.2684, 0.3315
Android (android.graphics.Color)	4287549903 (0xFF8ED1CF)
YUV	188.7390, 9.0027, -40.9901
Hunter-Lab	74.7373, -22.7926, -1.1766

Details

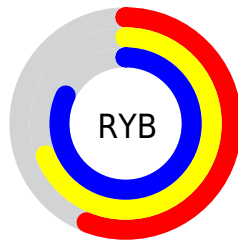
The XYZ color **45.2183, 55.8567, 67.4297** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.0035, 34.9166, 30.9662**, and the grayscale version is **48.1883, 50.6979, 55.2100**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **21.3299, 27.4858, 34.3181** is the 20% darker color. If you saturate the color by 10%, you get **41.8874, 54.1498, 66.8771**, and if you desaturate by 10%, it is **49.2251, 57.9148, 68.0179**.

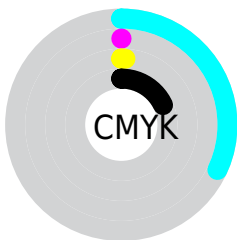
Distribution



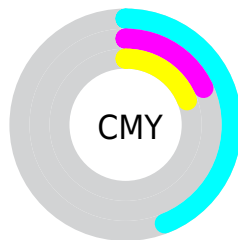
- Red (56%)
- Green (82%)
- Blue (81%)



- Red (56%)
- Yellow (69%)
- Blue (82%)



- Cyan (32%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)



- Cyan (44%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2183, 55.8567, 67.4297 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 45.2183, 55.8567, 67.4297 by changing the saturation by 10% instead.

■ 45.2183, 55.8567,
67.4297

■ 45.2183, 55.8567,
67.4297

358.4258,
409.1512, 470.0158

■ 31.8314, 40.0880,
48.9701

■ 82.2829, 98.7950,
117.1824

■ 21.3877, 27.6072,
34.2303

■ 106.6914,
126.7335, 149.3126

■ 13.5218, 18.0298,
22.7918

135.5045,
159.4973, 186.8368

■ 7.8683, 10.9714,
14.2360

169.0875,
197.4710, 230.1734

■ 4.0619, 6.0476,
8.1444

207.8057,
241.0388, 279.7411

■ 1.7372, 2.8740,
4.0984

252.0246,

■ 0.4794, 1.0663,

290.5852, 335.9584

1.6795

302.1095,
346.4945, 399.2438

■ 0.0000, 0.0000,
0.3466

■ 0.0000, 0.0000,
0.0000

■ 45.2183, 55.8567,
67.4297

■ 45.2183, 55.8567,
67.4297

■ 41.8874, 54.1498,
66.8771

■ 49.2251, 57.9148,
68.0179

■ 39.1898, 52.7679,
66.3546

■ 53.9377, 60.3354,
68.6395

■ 37.0859, 51.6920,
65.8614

■ 59.3899, 63.1372,
69.2972

■ 35.5293, 50.8983,
65.3954

■ 65.6122, 66.3360,
69.9926

■ 34.4670, 50.3593,
64.9541

■ 72.6332, 69.9464,
70.7270

■ 33.8353, 50.0422,
64.5345

■ 75.7678, 71.5534,
71.2810

■ 33.5521, 49.9031,
64.2126

■ 75.8462, 71.5847,
71.6937

■ 75.9249, 71.6162,
72.1079

■ 76.0038, 71.6478,
72.5237

Harmonies

Analogous

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



45.2154, 55.8567, 54.6864



45.2183, 55.8567, 67.4297



47.2483, 55.8567, 79.9425

Triad

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



45.2183, 55.8567, 67.4297



59.4042, 55.8567, 79.9121



55.3386, 55.8567, 40.0108

Complementary

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



45.2183, 55.8567, 67.4297



41.0035, 34.9166, 30.9662

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.



59.3946, 55.8567, 45.0169



45.2183, 55.8567, 67.4297



61.8299, 55.8567, 67.3926

Square

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



45.2183, 55.8567, 67.4297



55.3510, 55.8567, 87.8075



61.8263, 55.8567, 54.6541



50.8917, 55.8567, 40.0179

Rectangle

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



45.2183, 55.8567, 67.4297



49.5470, 55.8567, 85.9625



61.8263, 55.8567, 54.6541



56.7982, 55.8567, 41.1284

Sweetspot

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



45.2199, 55.8589, 67.4310



86.1604, 95.4314, 107.8448



39.2271, 53.5065, 33.8527



18.1952, 20.2995, 23.0525



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.



45.2199, 55.8589, 67.4310



67.4674, 85.8341, 105.1938



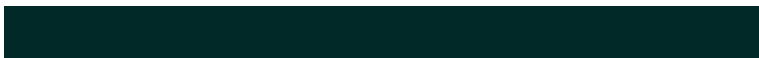
38.5330, 42.0908, 66.4175



12.1425, 13.4007, 15.1067



20.6932, 30.7702, 39.6261



1.1619, 1.7224, 2.2415

Inverse Universe

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



41.0035, 34.9166, 30.9662



59.9166, 48.3209, 39.8852



46.1737, 45.4998, 31.9411



11.8229, 11.8139, 12.3430



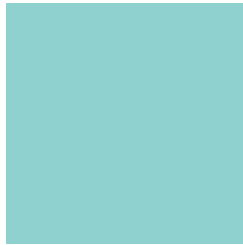
16.2400, 8.3688, 0.9038



0.9132, 0.4700, 0.0776

Previews

White Background



This preview shows how the XYZ color 45.2183, 55.8567, 67.4297 looks on a white background.

Color Contrast Check

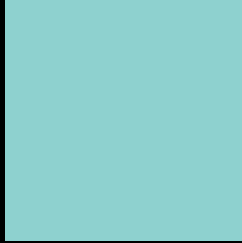
Large Text (above 18pt) WCAG AA × Fail

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 45.2183, 55.8567, 67.4297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

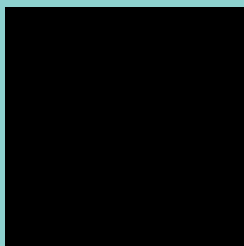
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

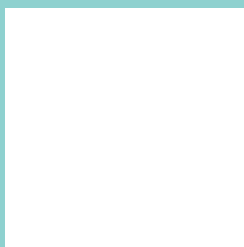
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2183, 55.8567, 67.4297

Background



This preview shows how black text looks on a background with the XYZ color 45.2183, 55.8567, 67.4297.

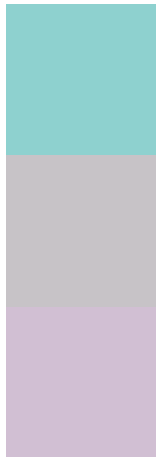


This preview shows how white text looks on a background with the XYZ color 45.2183, 55.8567,

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

45.2183, 55.8567, 67.4297

Protanopia

53.3771, 55.2958, 61.8927

Deuteranopia

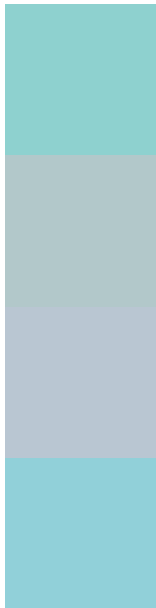
56.6832, 55.5201, 69.3569



Tritanopia

47.4862, 56.0644, 78.1308

Trichromacy



Original Color

45.2183, 55.8567, 67.4297

Protanomaly

49.6750, 55.0378, 63.8823

Deuteranomaly

51.8345, 55.3556, 68.9255

Tritanomaly

46.7573, 56.1412, 74.0176

Monochromacy



Original Color

45.2183, 55.8567, 67.4297

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

46.7170, 52.2360, 59.8449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2183, 55.8567, 67.4297 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(142, 209, 207)` looks like.

```
.text, #text, p{  
    color:rgb(142, 209, 207)  
}
```

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(142, 209, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 209, 207) }
```

Border

The CSS property to change the border of an element to XYZ 45.2183, 55.8567, 67.4297 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(142, 209, 207) }
```


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

```
.border{ border-color:rgb(142, 209, 207) }
```

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

Here you see how a box with a 4 pixel rgb(142, 209, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 209, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 209, 207);  
box-shadow:4px 4px 4px 4px rgb(142, 209,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2183, 55.8567, 67.4297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 209, 207) }
```

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

```
.background{ background-color: rgb(142,  
209, 207) }
```

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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