

Converting Colors

XYZ(45.3827, 55.8256, 72.6735)

Have a look what the booklet for
XYZ(45.3827, 55.8256, 72.6735)
contains.

XYZ(45.3827, 55.8256, 72.6735)	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(45.3827, 55.8256,
72.6735)**

Conversions

Conversions Part 1

Format	Color
Hex	89D1D7
RGB	137, 209, 215
RGB Percent	54%, 82%, 84%
CMY	0.4627, 0.1804, 0.1569
CMYK	0.36, 0.03, 0.00, 0.16
HSL	185°, 49%, 69%
HSV	185°, 36%, 84%
XYZ	45.3827, 55.8256, 72.6735
YIQ	188.1560, -44.8380, -13.3980

Conversions

Conversions Part 2

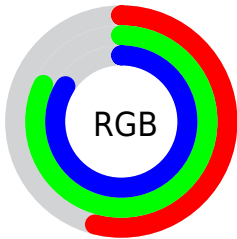
Format	Color
RYB	137, 174, 215
Decimal	9032151
CIELab	79.51, -20.90, -10.10
CIELCh	80, 23.215, 205.800
Yxy	55.8256, 0.2610, 0.3211
Android (android.graphics.Color)	4287222231 (0xFF89D1D7)
YUV	188.1560, 13.2341, -44.8638
Hunter-Lab	74.7165, -22.3333, -5.3672

Details

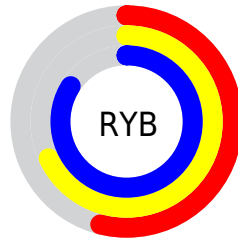
The XYZ color **45.3827, 55.8256, 72.6735** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.3629, 35.8987, 28.3644**, and the grayscale version is **47.8353, 50.3265, 54.8056**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **21.3804, 27.4431, 37.4279** is the 20% darker color. If you saturate the color by 10%, you get **41.8003, 53.3811, 72.3914**, and if you desaturate by 10%, it is **49.6748, 58.6449, 72.9924**.

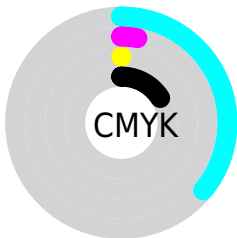
Distribution



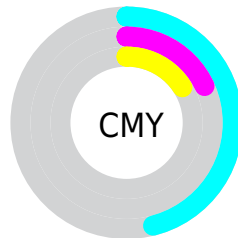
- Red (54%)
- Green (82%)
- Blue (84%)



- Red (54%)
- Yellow (68%)
- Blue (84%)



- Cyan (36%)
- Magenta (3%)
- Yellow (0%)
- Black (16%)



- Cyan (46%)
- Magenta (18%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3827, 55.8256, 72.6735 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 45.3827, 55.8256, 72.6735 by changing the saturation by 10% instead.

■ 45.3827, 55.8256,
72.6735

■ 45.3827, 55.8256,
72.6735

359.0790,
409.0339, 488.9228

■ 31.9615, 40.0631,
53.2188

■ 82.5279, 98.7495,
124.7302

■ 21.4875, 27.5878,
37.5886

■ 106.9827,
126.6798, 158.1693

■ 13.5953, 18.0151,
25.3642

■ 135.8461,
159.4347, 197.1070

■ 7.9196, 10.9609,
16.1271

169.4833,
197.3988, 241.9618

■ 4.0949, 6.0405,
9.4588

208.2599,
240.9563, 293.1522

■ 1.7560, 2.8697,
4.9408

252.5412,

■ 0.4909, 1.0641,

290.4918, 351.0969

2.1544

302.6924,
346.3895, 416.2142

■ 0.0000, 0.0000,
0.6479

■ 0.0000, 0.0000,
0.0000

■ 45.3827, 55.8256,
72.6735

■ 45.3827, 55.8256,
72.6735

■ 41.8003, 53.3811,
72.3914

■ 49.6748, 58.6449,
72.9924

■ 38.8808, 51.2832,
72.1404

■ 54.7102, 61.8523,
73.3461

■ 36.5794, 49.5102,
71.9194

■ 60.5263, 65.4685,
73.7376

■ 34.8437, 48.0350,
71.7262

■ 67.1563, 69.5105,
74.1683

■ 33.6125, 46.8260,
71.5577

■ 74.6317, 73.9947,
74.6399

■ 32.8089, 45.8437,
71.4105

■ 78.8174, 76.7894,
74.9587

■ 32.5674, 45.5093,
71.3587

■ 79.2507, 77.6559,
75.1031

■ 79.6883, 78.5310,
75.2489

■ 80.1301, 79.4148,
75.3962

Harmonies

Analogous

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



44.6027, 55.8256, 58.9215



45.3827, 55.8256, 72.6735



48.1736, 55.8256, 84.6213

Triad

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



45.3827, 55.8256, 72.6735



60.8360, 55.8256, 76.4087



53.7206, 55.8256, 38.5827

Complementary

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



45.3827, 55.8256, 72.6735



42.3629, 35.8987, 28.3644

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.



58.2673, 55.8256, 41.9058



45.3827, 55.8256, 72.6735



62.5252, 55.8256, 62.6866

Square

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



45.3827, 55.8256, 72.6735



57.0639, 55.8256, 86.9901



61.5589, 55.8256, 50.2686



49.2490, 55.8256, 40.4538

Rectangle

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



45.3827, 55.8256, 72.6735



50.8891, 55.8256, 89.2665



61.5589, 55.8256, 50.2686



55.2930, 55.8256, 39.1142

Sweetspot

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



45.3844, 55.8278, 72.6748



84.7886, 93.6943, 108.2237



39.5156, 55.8793, 34.3743



17.8993, 19.8995, 23.1475



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.



45.3844, 55.8278, 72.6748



62.4123, 79.1802, 106.6016



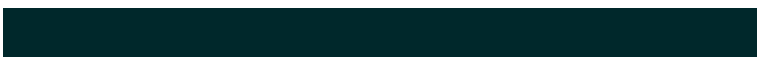
37.1086, 39.2762, 69.9162



12.7067, 13.9368, 15.9579



19.5143, 27.2903, 42.6922



1.2018, 1.6957, 2.5833

Inverse Universe

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



48.4800, 36.9431, 64.8996



67.7243, 47.5216, 93.0919



49.1054, 49.3836, 30.6119



12.9099, 12.6155, 15.4658



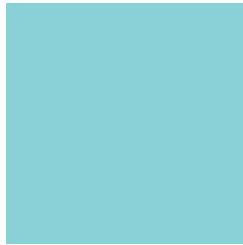
22.9088, 11.0998, 33.1533



1.3943, 0.6745, 2.0657

Previews

White Background



This preview shows how the XYZ color 45.3827, 55.8256, 72.6735 looks on a white background.

Color Contrast Check

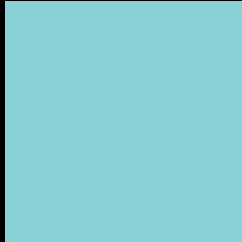
Large Text (above 18pt) WCAG AA × Fail

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 45.3827, 55.8256, 72.6735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

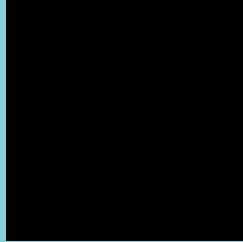
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3827, 55.8256, 72.6735

Background



This preview shows how black text looks on a background with the XYZ color 45.3827, 55.8256, 72.6735.



This preview shows how white text looks on a background with the XYZ color 45.3827, 55.8256,

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

45.3827, 55.8256, 72.6735

Protanopia

53.6816, 55.3568, 66.2481

Deuteranopia

56.5938, 55.3552, 74.7196



Tritanopia

46.6579, 55.9825, 78.8676

Trichromacy



Original Color

45.3827, 55.8256, 72.6735

Protanomaly

49.8421, 55.0260, 68.3157

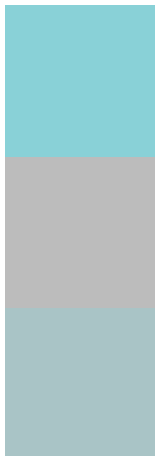
Deuteranomaly

51.6714, 55.1534, 74.2520

Tritanomaly

46.0883, 55.7355, 76.7355

Monochromacy



Original Color

45.3827, 55.8256, 72.6735

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.2952, 51.9921, 61.0215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3827, 55.8256, 72.6735 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(137, 209, 215)` looks like.

```
.text, #text, p{  
    color:rgb(137, 209, 215)  
}
```

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(137, 209, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 209, 215) }
```

Border

The CSS property to change the border of an element to XYZ 45.3827, 55.8256, 72.6735 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(137, 209, 215) }
```


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

```
.border{ border-color:rgb(137, 209, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 209, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 209, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 209, 215);  
box-shadow:4px 4px 4px 4px rgb(137, 209,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3827, 55.8256, 72.6735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 209, 215) }
```

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

```
.background{ background-color: rgb(137,  
209, 215) }
```

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