

Converting Colors

XYZ(45.9030, 55.2934, 75.3780)

Have a look what the booklet for
XYZ(45.9030, 55.2934, 75.3780)
contains.

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Color

**XYZ(45.9142, 55.3156,
75.2749)**

Conversions

Conversions Part 1

Format	Color
Hex	8CCFDB
RGB	140, 207, 219
RGB Percent	55%, 81%, 86%
CMY	0.4510, 0.1882, 0.1412
CMYK	0.36, 0.05, 0.00, 0.14
HSL	189°, 52%, 70%
HSV	189°, 36%, 86%
XYZ	45.9142, 55.3156, 75.2749
YIQ	188.3350, -43.7840, -10.4720

Conversions

Conversions Part 2

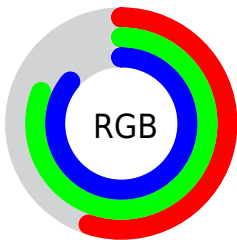
Format	Color
RYB	140, 176, 219
Decimal	9228251
CIELab	79.22, -18.12, -12.67
CIELCh	79, 22.112, 214.953
Yxy	55.3156, 0.2601, 0.3134
Android (android.graphics.Color)	4287418331 (0xFF8CCFDB)
YUV	188.3350, 15.1178, -42.3898
Hunter-Lab	74.3745, -19.9604, -7.9457

Details

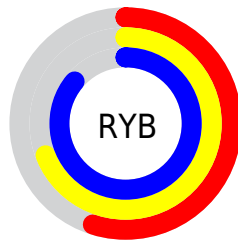
The XYZ color **45.9142, 55.3156, 75.2749** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.1761, 39.4105, 30.0381**, and the grayscale version is **47.9263, 50.4222, 54.9098**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **21.8384, 27.3941, 39.2585** is the 20% darker color. If you saturate the color by 10%, you get **41.7879, 52.0061, 74.8545**, and if you desaturate by 10%, it is **50.7951, 59.0420, 75.7379**.

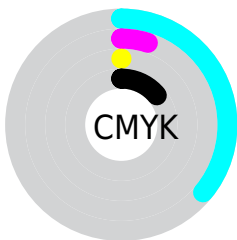
Distribution



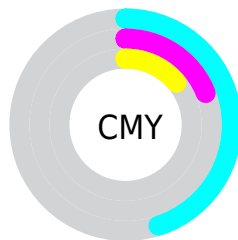
- Red (55%)
- Green (81%)
- Blue (86%)



- Red (55%)
- Yellow (69%)
- Blue (86%)



- Cyan (36%)
- Magenta (5%)
- Yellow (0%)
- Black (14%)



- Cyan (45%)
- Magenta (19%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9142, 55.3156, 75.2749 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 45.9142, 55.3156, 75.2749 by changing the saturation by 10% instead.

■ 45.9142, 55.3156,
75.2749

■ 45.9142, 55.3156,
75.2749

361.1853,
407.1071, 498.1425

■ 32.3825, 39.6545,
55.3350

■ 83.3192, 98.0032,
128.4521

■ 21.8108, 27.2692,
39.2696

■ 107.9232,
125.7985, 162.5265

■ 13.8337, 17.7755,
26.6601

136.9487,
158.4072, 202.1495

■ 8.0860, 10.7889,
17.0879

170.7609,
196.2138, 247.7397

■ 4.2023, 5.9251,
10.1346

209.7254,
239.6028, 299.7155

■ 1.8172, 2.7996,
5.3815

254.2074,

■ 0.5280, 1.0280,

288.9583, 358.4956

2.4102

304.5722,
344.6650, 424.4984

■ 0.0000, 0.0000,
0.7920

■ 0.0000, 0.0000,
0.0000

■ 45.9142, 55.3156,
75.2749

■ 45.9142, 55.3156,
75.2749

■ 41.7879, 52.0061,
74.8545

■ 50.7951, 59.0420,
75.7379

■ 38.3675, 49.0841,
74.4708

■ 56.4660, 63.1997,
76.2415

■ 35.6059, 46.5267,
74.1227

■ 62.9659, 67.8103,
76.7888

■ 33.4484, 44.3054,
73.8077

■ 70.3298, 72.8919,
77.3816

■ 31.8311, 42.3873,
73.5227

■ 78.5905, 78.4617,
78.0213

■ 30.6745, 40.7310,
73.2640

■ 81.4845, 81.2908,
78.4148

■ 30.2908, 40.1235,
73.1669

■ 82.4028, 83.1274,
78.7209

■ 83.3388, 84.9994,
79.0329

■ 84.2926, 86.9069,
79.3508

Harmonies

Analogous

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



44.5564, 55.3156, 62.3550



45.9142, 55.3156, 75.2749



49.0598, 55.3156, 85.0762

Triad

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



45.9142, 55.3156, 75.2749



60.6560, 55.3156, 71.1307



51.8456, 55.3156, 39.0920

Complementary

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



45.9142, 55.3156, 75.2749



45.1761, 39.4105, 30.0381

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.



56.2559, 55.3156, 40.7627



45.9142, 55.3156, 75.2749



61.5040, 55.3156, 58.1524

Square

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



45.9142, 55.3156, 75.2749



57.5958, 55.3156, 82.4583



59.8525, 55.3156, 47.3353



47.8563, 55.3156, 42.4040

Rectangle

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



45.9142, 55.3156, 75.2749



51.8318, 55.3156, 87.8685



59.8525, 55.3156, 47.3353



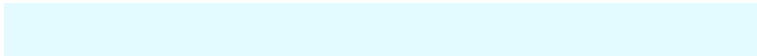
53.3269, 55.3156, 39.0946

Sweetspot

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



45.9159, 55.3178, 75.2762



84.1288, 92.3748, 108.0038



41.8031, 58.5017, 38.7313



17.7410, 19.5829, 23.0948



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.



45.9159, 55.3178, 75.2762



60.4646, 74.6231, 105.8246



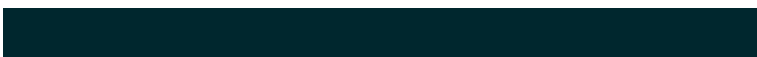
37.5407, 38.5674, 72.4845



13.2676, 14.4750, 16.7468



18.0255, 23.9205, 43.4055



1.2144, 1.6429, 2.8275

Inverse Universe

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



49.8553, 38.3226, 63.8033



66.9027, 47.8114, 86.8591



52.6554, 54.3692, 32.5312



13.5250, 13.2391, 16.0257



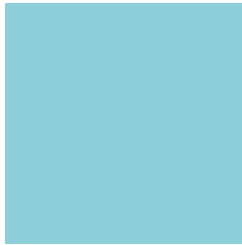
22.5938, 11.0385, 28.5706



1.4872, 0.7245, 1.9748

Previews

White Background



This preview shows how the XYZ color 45.9142, 55.3156, 75.2749 looks on a white background.

Color Contrast Check

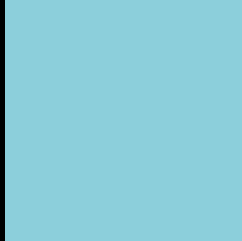
Large Text (above 18pt) WCAG AA × Fail

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 45.9142, 55.3156, 75.2749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

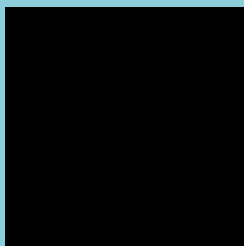
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

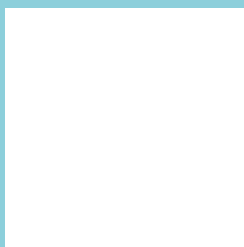
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9142, 55.3156, 75.2749

Background



This preview shows how black text looks on a background with the XYZ color 45.9142, 55.3156, 75.2749.



This preview shows how white text looks on a background with the XYZ color 45.9142, 55.3156,

75.2749.

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

45.9142, 55.3156, 75.2749

Protanopia

53.2978, 54.7561, 69.3879

Deuteranopia

55.9554, 54.6574, 76.7080



Tritanopia

46.3751, 55.1330, 78.0096

Trichromacy



Original Color

45.9142, 55.3156, 75.2749

Protanomaly

50.0166, 54.7006, 71.5404

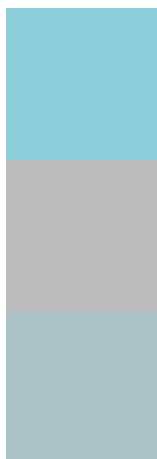
Deuteranomaly

51.3815, 54.2840, 76.1764

Tritanomaly

46.2406, 55.0793, 77.3015

Monochromacy



Original Color

45.9142, 55.3156, 75.2749

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.6185, 51.8117, 61.5764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9142, 55.3156, 75.2749 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(140, 207, 219)` looks like.

```
.text, #text, p{  
    color:rgb(140, 207, 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(140, 207, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 207, 219) }
```

Border

The CSS property to change the border of an element to XYZ 45.9142, 55.3156, 75.2749 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(140, 207, 219) }
```


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

```
.border{ border-color:rgb(140, 207, 219) }
```

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

Here you see how a box with a 4 pixel rgb(140, 207, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 207, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 207, 219);  
box-shadow:4px 4px 4px 4px rgb(140, 207,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9142, 55.3156, 75.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 207, 219) }
```

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

```
.background{ background-color: rgb(140,  
207, 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](#).

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