

Converting Colors

XYZ(45.6333, 59.4134, 69.3844)

Have a look what the booklet for
XYZ(45.6333, 59.4134, 69.3844)
contains.

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Color

**XYZ(45.6333, 59.4134,
69.3844)**

Conversions

Conversions Part 1

Format	Color
Hex	81DAD1
RGB	129, 218, 209
RGB Percent	51%, 85%, 82%
CMY	0.4941, 0.1451, 0.1804
CMYK	0.41, 0.00, 0.04, 0.15
HSL	174°, 55%, 68%
HSV	174°, 41%, 85%
XYZ	45.6333, 59.4134, 69.3844
YIQ	190.3630, -50.1550, -21.6670

Conversions

Conversions Part 2

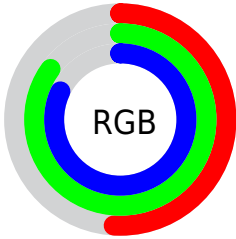
Format	Color
RYB	129, 176, 218
Decimal	8510161
CIELab	81.52, -28.82, -3.97
CIElCh	82, 29.092, 187.846
Yxy	59.4134, 0.2616, 0.3406
Android (android.graphics.Color)	4286700241 (0xFF81DAD1)
YUV	190.3630, 9.1880, -53.8154
Hunter-Lab	77.0801, -29.2138, 0.5856

Details

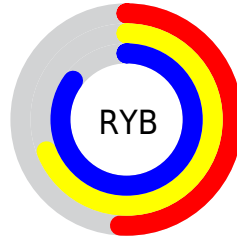
The XYZ color **45.6333, 59.4134, 69.3844** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.3532, 32.4426, 28.1295**, and the grayscale version is **49.1236, 51.6819, 56.2816**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **21.6861, 29.9387, 35.6461** is the 20% darker color. If you saturate the color by 10%, you get **42.3979, 57.7783, 67.8188**, and if you desaturate by 10%, it is **49.5824, 61.4189, 71.0057**.

Distribution



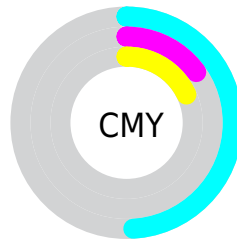
- Red (51%)
- Green (85%)
- Blue (82%)



- Red (51%)
- Yellow (69%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (4%)
- Black (15%)





- Cyan (49%)
- Magenta (15%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6333, 59.4134, 69.3844 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 45.6333, 59.4134, 69.3844 by changing the saturation by 10% instead.


 45.6333, 59.4134,
69.3844


 45.6333, 59.4134,
69.3844


360.0731,
422.4322, 477.1162


 32.1599, 42.9460,
50.5511


 82.9012, 103.9783,
120.0033

 21.6398, 29.8427,
35.4773


 107.4264,
132.8445, 152.6260

 13.7076, 19.7193,
23.7443


 136.3663,
166.6125, 190.6823

 7.9979, 12.1911,
14.9336

170.0862,
205.6666, 234.5907

 4.1454, 6.8740,
8.6267

208.9515,
250.3912, 284.7698

 1.7847, 3.3834,
4.4050

253.3275,

 0.5084, 1.3350,

301.1708, 341.6380

1.8501

303.5796,
358.3896, 405.6139

■ 0.0000, 0.1681,
0.4607

■ 0.0000, 0.0000,
0.0000

■ 45.6333, 59.4134,
69.3844

■ 45.6333, 59.4134,
69.3844

■ 42.3979, 57.7783,
67.8188

■ 49.5824, 61.4189,
71.0057

■ 39.8256, 56.4831,
66.3026

■ 54.2812, 63.8090,
72.6806


■ 37.8675, 55.5041,
64.8347


■ 59.7697, 66.6059,
74.4123


■ 36.4657, 54.8115,
63.4124


■ 66.0835, 69.8276,
76.2027


 35.5512, 54.3697,
62.0323


 73.2560, 73.4917,
78.0532

 35.0309, 54.1282,
60.7979

 79.5284, 76.6912,
79.8818

 79.8263, 76.8104,
81.4509

 80.1282, 76.9311,
83.0405

 80.4340, 77.0534,
84.6506

Harmonies

Analogous

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



46.2922, 59.4134, 52.8363



45.6333, 59.4134, 69.3844



47.7084, 59.4134, 87.5588

Triad

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



45.6333, 59.4134, 69.3844



63.9745, 59.4134, 94.9965



61.0086, 59.4134, 38.3076

Complementary

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



45.6333, 59.4134, 69.3844



41.3532, 32.4426, 28.1295

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.



66.2450, 59.4134, 46.1979



45.6333, 59.4134, 69.3844



68.0414, 59.4134, 78.1984

Square

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



45.6333, 59.4134, 69.3844



58.0865, 59.4134, 103.9851



68.9008, 59.4134, 60.2143



54.8851, 59.4134, 36.8013

Rectangle

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



45.6333, 59.4134, 69.3844



50.4575, 59.4134, 97.4891



68.9008, 59.4134, 60.2143



62.9435, 59.4134, 40.2225

Sweetspot

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



45.6350, 59.4158, 69.3858



84.1802, 94.4535, 105.8110



39.7473, 57.2522, 29.7260



17.7873, 20.0993, 22.5775



0.0000, 0.0000, 0.0000



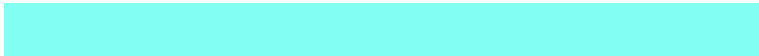
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.6350, 59.4158, 69.3858



61.0550, 82.7023, 97.0345



38.8262, 43.9637, 72.7718



13.3851, 14.8057, 16.4911



21.0093, 32.4364, 36.5442



1.3778, 2.1081, 2.4557

Inverse Universe

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



41.3532, 32.4426, 28.1295



54.1636, 39.2123, 30.5771



45.9959, 42.7282, 26.5933



13.1093, 13.0728, 13.8368



17.4276, 8.9721, 1.3660



1.1476, 0.5887, 0.1865

Previews

White Background



This preview shows how the XYZ color 45.6333, 59.4134, 69.3844 looks on a white background.

Color Contrast Check

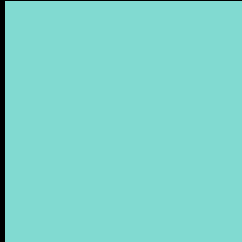
Large Text (above 18pt) WCAG AA × Fail

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 45.6333, 59.4134, 69.3844 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

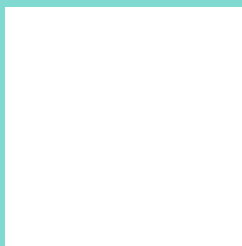
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6333, 59.4134, 69.3844

Background



This preview shows how black text looks on a background with the XYZ color 45.6333, 59.4134, 69.3844.



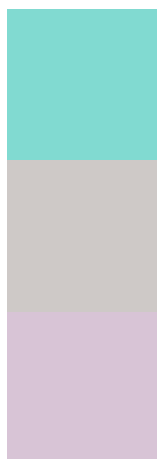
This preview shows how white text looks on a background with the XYZ color 45.6333, 59.4134,

69.3844.

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

45.6333, 59.4134, 69.3844

Protanopia

56.6490, 59.0186, 62.4388

Deuteranopia

60.1964, 58.9338, 71.8210



Tritanopia

48.8576, 59.5780, 85.2686

Trichromacy



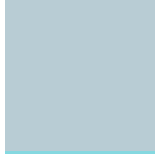
Original Color

45.6333, 59.4134, 69.3844



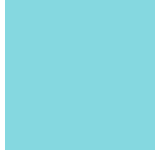
Protanomaly

51.4524, 58.4024, 65.0609



Deuteranomaly

53.2437, 58.1295, 70.7012



Tritanomaly

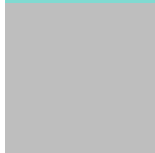
47.6833, 59.4801, 79.4886

Monochromacy



Original Color

45.6333, 59.4134, 69.3844



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.8808, 53.6646, 60.7107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6333, 59.4134, 69.3844 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(129, 218, 209)` looks like.

```
.text, #text, p{  
    color:rgb(129, 218, 209)  
}
```

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(129, 218, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 218, 209) }
```

Border

The CSS property to change the border of an element to XYZ 45.6333, 59.4134, 69.3844 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(129, 218, 209) }
```


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

```
.border{ border-color:rgb(129, 218, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 218, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 218, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 218, 209); box-shadow:4px 4px 4px 4px rgb(129, 218, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6333, 59.4134, 69.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 218, 209) }
```

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

```
.background{ background-color: rgb(129,  
218, 209) }
```

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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