

Converting Colors

XYZ(49.5883, 60.5109, 83.2233)

Have a look what the booklet for
XYZ(49.5883, 60.5109, 83.2233)
contains.

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Color

**XYZ(49.5139, 60.3443,
83.1667)**

Conversions

Conversions Part 1

Format	Color
Hex	8CD8E5
RGB	140, 216, 229
RGB Percent	55%, 85%, 90%
CMY	0.4510, 0.1529, 0.1020
CMYK	0.39, 0.06, 0.00, 0.10
HSL	189°, 63%, 72%
HSV	189°, 39%, 90%
XYZ	49.5139, 60.3443, 83.1667
YIQ	194.7580, -49.4690, -12.0690

Conversions

Conversions Part 2

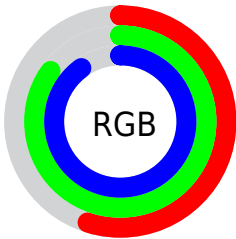
Format	Color
RYB	140, 181, 229
Decimal	9230565
CIELab	82.02, -20.21, -13.81
CIELCh	82, 24.476, 214.355
Yxy	60.3443, 0.2565, 0.3126
Android (android.graphics.Color)	4287420645 (0xFF8CD8E5)
YUV	194.7580, 16.8813, -48.0228
Hunter-Lab	77.6816, -22.1677, -9.0994

Details

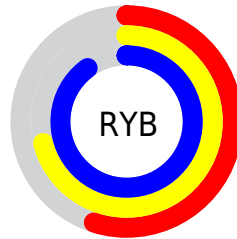
The XYZ color **49.5139, 60.3443, 83.1667** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.4389, 41.3347, 30.2378**, and the grayscale version is **51.6531, 54.3431, 59.1796**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **24.0410, 30.4305, 44.6510** is the 20% darker color. If you saturate the color by 10%, you get **45.2017, 56.8636, 82.7232**, and if you desaturate by 10%, it is **54.6501, 64.2785, 83.6564**.

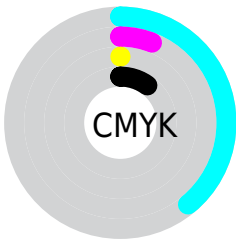
Distribution



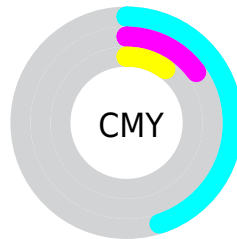
- Red (55%)
- Green (85%)
- Blue (90%)



- Red (55%)
- Yellow (71%)
- Blue (90%)



- Cyan (39%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)





- Cyan (45%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5139, 60.3443, 83.1667 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 49.5139, 60.3443, 83.1667 by changing the saturation by 10% instead.


 49.5139, 60.3443,
83.1667


 49.5139, 60.3443,
83.1667

375.2454,
425.8657, 525.5275

 35.2435, 43.6962,
61.7863


 88.6504, 105.3290,
139.6602

 24.0179, 30.4318,
44.4254


 114.2472,
134.4343, 175.6104

 15.4717, 20.1665,
30.6654

144.3502,
168.4609, 217.2543

 9.2396, 12.5162,
20.0879

179.3247,
207.7931, 265.0103

 4.9561, 7.0962,
12.2742

219.5362,
252.8152, 319.2971

 2.2560, 3.5224,
6.8059

265.3498,

 0.7720, 1.4101,

303.9118, 380.5332

3.2644

317.1312,
361.4671, 449.1372

■ 0.0000, 0.2242,
1.2312

■ 0.0000, 0.0000,
0.0044

■ 49.5139, 60.3443,
83.1667

■ 49.5139, 60.3443,
83.1667

■ 45.2017, 56.8636,
82.7232

■ 54.6501, 64.2785,
83.6564

■ 41.6578, 53.8033,
82.3193

■ 60.6508, 68.6831,
84.1903

■ 38.8281, 51.1367,
81.9537

■ 67.5604, 73.5823,
84.7718

■ 36.6488, 48.8309,
81.6235

■ 75.4184, 78.9969,
85.4027

■ 35.0447, 46.8469,
81.3251

■ 84.2624, 84.9462,
86.0849

■ 33.9014, 45.1255,
81.0531

■ 85.3988, 86.9487,
86.4116

■ 33.7832, 44.9375,
81.0230

■ 86.3712, 88.8935,
86.7357

■ 87.3617, 90.8745,
87.0659

■ 88.3704, 92.8919,
87.4021

Harmonies

Analogous

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



47.9796, 60.3443, 67.8966



49.5139, 60.3443, 83.1667



53.1488, 60.3443, 94.9454

Triad

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



49.5139, 60.3443, 83.1667



66.8187, 60.3443, 78.8498



56.6018, 60.3443, 41.1531

Complementary

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



49.5139, 60.3443, 83.1667



48.4389, 41.3347, 30.2378

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.



61.7784, 60.3443, 43.1837



49.5139, 60.3443, 83.1667



67.8794, 60.3443, 63.5605

Square

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



49.5139, 60.3443, 83.1667



63.1663, 60.3443, 92.2012



65.9841, 60.3443, 50.8758



51.9123, 60.3443, 44.8433

Rectangle

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



49.5139, 60.3443, 83.1667



56.3806, 60.3443, 98.4037



65.9841, 60.3443, 50.8758



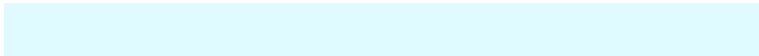
58.3414, 60.3443, 41.1940

Sweetspot

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



49.5157, 60.3467, 83.1681



83.2655, 91.8330, 107.9447



44.4924, 63.8779, 39.6347



17.5705, 19.4781, 23.0835



0.0000, 0.0000, 0.0000



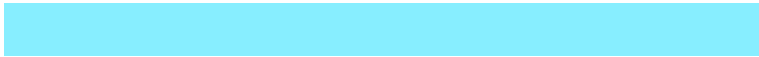
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5157, 60.3467, 83.1681



58.4940, 73.2397, 105.6615



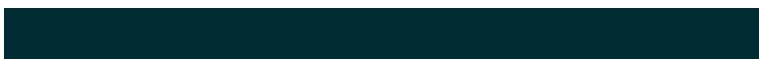
39.8328, 40.9808, 79.9405



14.6187, 15.9587, 18.4542



19.3845, 25.8311, 46.3474



1.4816, 2.0072, 3.4413

Inverse Universe

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



54.0873, 40.3736, 69.9105



65.2836, 44.7733, 85.7029



56.8707, 58.1983, 33.0484



14.8999, 14.5771, 17.6730



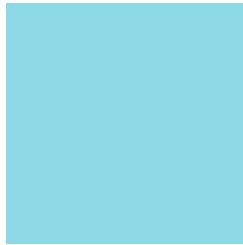
24.1779, 11.8054, 30.8955



1.8115, 0.8823, 2.4138

Previews

White Background



This preview shows how the XYZ color 49.5139, 60.3443, 83.1667 looks on a white background.

Color Contrast Check

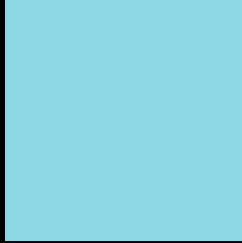
Large Text (above 18pt) WCAG AA × Fail

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 49.5139, 60.3443, 83.1667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

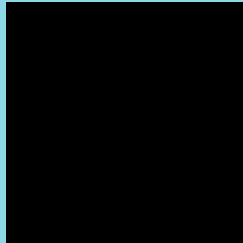
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5139, 60.3443, 83.1667

Background



This preview shows how black text looks on a background with the XYZ color 49.5139, 60.3443, 83.1667.

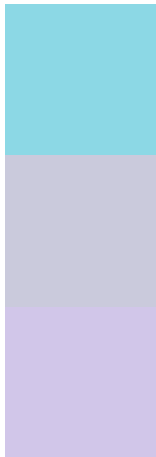


This preview shows how white text looks on a background with the XYZ color 49.5139, 60.3443,

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

49.5139, 60.3443, 83.1667

Protanopia

58.3959, 59.9649, 76.2067

Deuteranopia

61.1966, 59.8267, 85.4131



Tritanopia

49.9929, 60.1468, 86.0654

Trichromacy



Original Color

49.5139, 60.3443, 83.1667

Protanomaly

54.2225, 59.5371, 78.4460

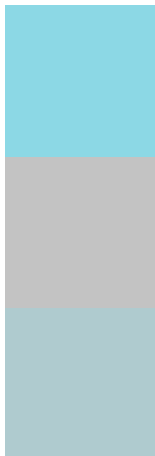
Deuteranomaly

56.1640, 59.6792, 84.9030

Tritanomaly

49.8504, 60.0898, 85.3150

Monochromacy



Original Color

49.5139, 60.3443, 83.1667

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.2976, 56.3308, 67.2535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5139, 60.3443, 83.1667 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, 216, 229)` looks like.

```
.text, #text, p{  
    color:rgb(140, 216, 229)  
}
```

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, 216, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 216, 229) }
```

Border

The CSS property to change the border of an element to XYZ 49.5139, 60.3443, 83.1667 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, 216, 229) }
```


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

```
.border{ border-color:rgb(140, 216, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 216, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 216, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 216, 229);  
box-shadow:4px 4px 4px 4px rgb(140, 216,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5139, 60.3443, 83.1667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 216, 229) }
```

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

```
.background{ background-color: rgb(140,  
216, 229) }
```

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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