

Converting Colors

XYZ(43.0737, 54.5161, 67.6256)

Have a look what the booklet for
XYZ(43.0737, 54.5161, 67.6256)
contains.

XYZ(42.9943, 54.3329, 67.8958)	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(42.9943, 54.3329,
67.8958)**

Conversions

Conversions Part 1

Format	Color
Hex	81D0D0
RGB	129, 208, 208
RGB Percent	51%, 82%, 82%
CMY	0.4941, 0.1843, 0.1843
CMYK	0.38, 0.00, 0.00, 0.18
HSL	180°, 46%, 66%
HSV	180°, 38%, 82%
XYZ	42.9943, 54.3329, 67.8958
YIQ	184.3790, -47.0840, -16.7480

Conversions

Conversions Part 2

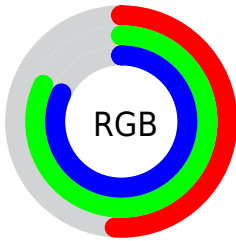
Format	Color
R _Y B	129, 169, 208
Decimal	8507600
CIE Lab	78.66, -24.18, -7.67
CIE LCh	79, 25.364, 197.596
Yxy	54.3329, 0.2602, 0.3288
Android (android.graphics.Color)	4286697680 (0xFF81D0D0)
YUV	184.3790, 11.6452, -48.5674
Hunter-Lab	73.7109, -24.8780, -3.0150

Details

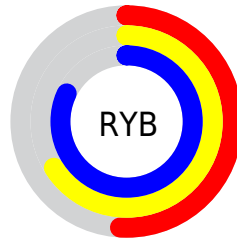
The XYZ color **42.9943, 54.3329, 67.8958** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.8270, 30.6970, 24.7023**, and the grayscale version is **45.7271, 48.1084, 52.3901**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **20.0480, 26.5714, 34.6440** is the 20% darker color. If you saturate the color by 10%, you get **40.1511, 52.8685, 67.7636**, and if you desaturate by 10%, it is **46.4838, 56.1331, 68.0606**.

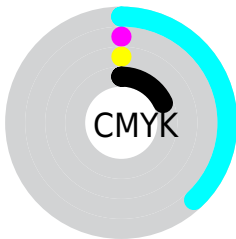
Distribution



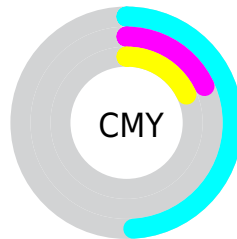
- Red (51%)
- Green (82%)
- Blue (82%)



- Red (51%)
- Yellow (66%)
- Blue (82%)



- Cyan (38%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9943, 54.3329, 67.8958 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 42.9943, 54.3329, 67.8958 by changing the saturation by 10% instead.

42.9943, 54.3329,
67.8958

42.9943, 54.3329,
67.8958

349.5102,
403.3782, 471.7148

30.0751, 38.8679,
49.3468

78.9580, 96.5629,
117.8559

20.0440, 26.6570,
34.5271

102.7333,
124.0966, 150.1040

12.5355, 17.3158,
23.0182

130.8580,
156.4220, 187.7557

7.1842, 10.4599,
14.4015

163.6975,
193.9235, 231.2293

3.6249, 5.7049,
8.2585

201.6171,
236.9855, 280.9435

1.4922, 2.6665,
4.1707

244.9822,

0.3205, 0.9602,

285.9923, 337.3168

1.7194

294.1581,
341.3284, 400.7677

■ 0.0000, 0.0000,
0.3740

■ 0.0000, 0.0000,
0.0000

■ 42.9943, 54.3329,
67.8958

■ 42.9943, 54.3329,
67.8958

■ 40.1511, 52.8685,
67.7636

■ 46.4838, 56.1331,
68.0606

■ 37.9102, 51.7133,
67.6583


■ 50.6508, 58.2812,
68.2560

■ 36.2295, 50.8468,
67.5793


■ 55.5301, 60.7966,
68.4847


■ 35.0596, 50.2438,
67.5242


■ 61.1529, 63.6953,
68.7482

 34.3427, 49.8742,
67.4903


 67.5485, 66.9923,
69.0479


 33.9943, 49.6946,
67.4737

 74.7445, 70.7020,
69.3850

 33.9417, 49.6675,
67.4711

 75.1826, 70.9278,
69.4058

 75.1826, 70.9279,
69.4062

 75.1827, 70.9279,
69.4065

Harmonies

Analogous

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



42.7948, 54.3329, 53.4298



42.9943, 54.3329, 67.8958



45.4153, 54.3329, 81.9542

Triad

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



42.9943, 54.3329, 67.8958



59.0852, 54.3329, 79.7782



53.7384, 54.3329, 36.1018

Complementary

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



42.9943, 54.3329, 67.8958



37.8270, 30.6970, 24.7023

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.



58.4129, 54.3329, 41.0394



42.9943, 54.3329, 67.8958



61.6311, 54.3329, 65.2844

Square

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



42.9943, 54.3329, 67.8958



54.6084, 54.3329, 89.5400



61.3774, 54.3329, 51.2063



48.7846, 54.3329, 36.5691

Rectangle

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



42.9943, 54.3329, 67.8958



48.0572, 54.3329, 88.5007



61.3774, 54.3329, 51.2063



55.4003, 54.3329, 37.1465

Sweetspot

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



42.9959, 54.3350, 67.8971



85.4727, 95.0627, 108.4512



35.7746, 51.4698, 28.8193



18.0636, 20.2282, 23.2022



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.



42.9959, 54.3350, 67.8971



64.2412, 84.1175, 107.4556



34.7805, 37.9038, 65.1598



12.1584, 13.4071, 15.1906



21.1535, 30.9543, 42.0502



1.1828, 1.7308, 2.3512

Inverse Universe

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



37.8270, 30.6970, 24.7023



54.8515, 41.1774, 28.9892



43.8291, 42.7015, 26.7023



11.8088, 11.8083, 12.2689



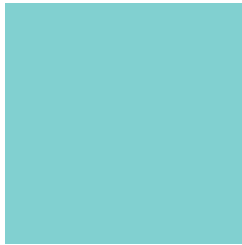
16.2124, 8.3578, 0.7589



0.9065, 0.4673, 0.0425

Previews

White Background



This preview shows how the XYZ color 42.9943, 54.3329, 67.8958 looks on a white background.

Color Contrast Check

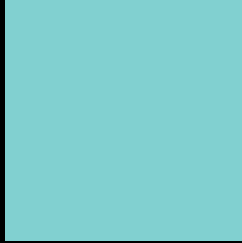
Large Text (above 18pt) WCAG AA × Fail

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 42.9943, 54.3329, 67.8958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

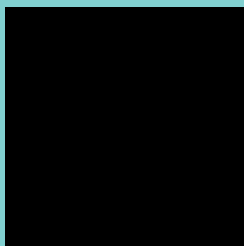
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

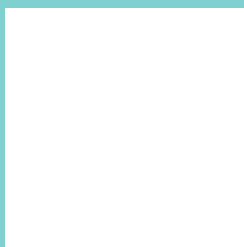
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9943, 54.3329, 67.8958

Background



This preview shows how black text looks on a background with the XYZ color 42.9943, 54.3329, 67.8958.

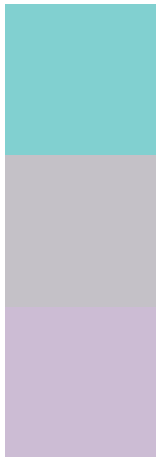


This preview shows how white text looks on a background with the XYZ color 42.9943, 54.3329,

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

42.9943, 54.3329, 67.8958

Protanopia

52.1437, 53.9992, 61.7075

Deuteranopia

54.7687, 53.5573, 69.7383



Tritanopia

44.9290, 54.4031, 77.2401

Trichromacy



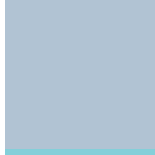
Original Color

42.9943, 54.3329, 67.8958



Protanomaly

47.8680, 53.4231, 63.6659



Deuteranomaly

49.4044, 53.0805, 69.2697



Tritanomaly

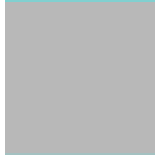
44.3529, 54.5409, 73.8354

Monochromacy



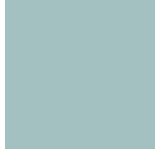
Original Color

42.9943, 54.3329, 67.8958



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

44.0054, 49.8827, 57.7611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9943, 54.3329, 67.8958 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, 208, 208)` looks like.

```
.text, #text, p{  
    color:rgb(129, 208, 208)  
}
```

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, 208, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 208, 208) }
```

Border

The CSS property to change the border of an element to XYZ 42.9943, 54.3329, 67.8958 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, 208, 208) }
```


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

```
.border{ border-color:rgb(129, 208, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 208, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 208, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 208, 208);  
box-shadow:4px 4px 4px 4px rgb(129, 208,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9943, 54.3329, 67.8958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 208, 208) }
```

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

```
.background{ background-color: rgb(129,  
208, 208) }
```

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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