

# Converting Colors

XYZ(42.9299, 54.3965, 65.9212)

Have a look what the booklet for  
XYZ(42.9299, 54.3965, 65.9212)  
contains.

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# Color

**XYZ(42.9354, 54.3448,  
65.9843)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83D0CD
RGB	131, 208, 205
RGB Percent	51%, 82%, 80%
CMY	0.4863, 0.1843, 0.1961
CMYK	0.37, 0.00, 0.01, 0.18
HSL	178°, 45%, 66%
HSV	178°, 37%, 82%
XYZ	42.9354, 54.3448, 65.9843
YIQ	184.6350, -44.9290, -17.2570

# Conversions

## Conversions Part 2

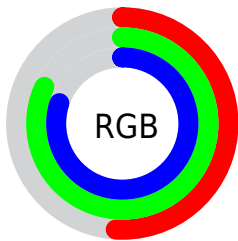
Format	Color
<a href="#">RYB</a>	<a href="#">131, 170, 208</a>
Decimal	<a href="#">8638669</a>
<a href="#">CIELab</a>	<a href="#">78.66, -24.38, -6.04</a>
<a href="#">CIElCh</a>	<a href="#">79, 25.119, 193.906</a>
<a href="#">Yxy</a>	<a href="#">54.3448, 0.2630, 0.3329</a>
Android ( <a href="#">android.graphics.Color</a> )	<a href="#">4286828749</a> ( <a href="#">0xFF83D0CD</a> )
<a href="#">YUV</a>	<a href="#">184.6350, 10.0399, -47.0379</a>
<a href="#">Hunter-Lab</a>	<a href="#">73.7189, -25.0461, -1.4660</a>

# Details

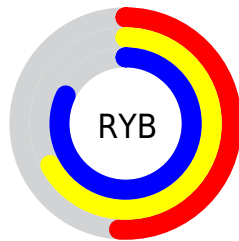
The XYZ color **42.9354, 54.3448, 65.9843** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.4337, 31.3653, 26.5847**, and the grayscale version is **45.8766, 48.2658, 52.5614**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **19.9576, 26.5533, 33.3516** is the 20% darker color. If you saturate the color by 10%, you get **39.9344, 52.8104, 65.3353**, and if you desaturate by 10%, it is **46.5868, 56.2171, 66.6688**.

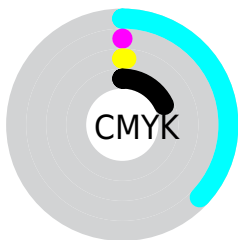
# Distribution



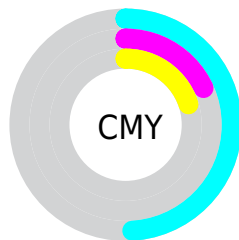
- Red (51%)
- Green (82%)
- Blue (80%)



- Red (51%)
- Yellow (67%)
- Blue (82%)



- Cyan (37%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)




- Cyan (49%)
- Magenta (18%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9354, 54.3448, 65.9843 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 42.9354, 54.3448, 65.9843 by changing the saturation by 10% instead.





 42.9354, 54.3448,  
65.9843


 42.9354, 54.3448,  
65.9843


349.2721,  
403.4235, 464.7234


 30.0287, 38.8774,  
47.8033


 78.8697, 96.5803,  
115.0906

 20.0086, 26.6644,  
33.3122


 102.6280,  
124.1172, 146.8529

 12.5096, 17.3213,  
22.0927


 130.7343,  
156.4461, 183.9794

 7.1664, 10.4638,  
13.7260

163.5538,  
193.9513, 226.8886

 3.6136, 5.7076,  
7.7938

201.4520,  
237.0172, 275.9991

 1.4860, 2.6681,  
3.8774

244.7942,

 0.3163, 0.9610,

286.0283, 331.7293

1.5583

293.9458,  
341.3689, 394.4979

■ 0.0000, 0.0000,  
0.2608

■ 0.0000, 0.0000,  
0.0000

■ 42.9354, 54.3448,  
65.9843

■ 42.9354, 54.3448,  
65.9843

■ 39.9344, 52.8104,  
65.3353

■ 46.5868, 56.2171,  
66.6688

■ 37.5401, 51.5873,  
64.7161

■ 50.9194, 58.4393,  
67.3866

■ 35.7110, 50.6555,  
64.1260

■ 55.9680, 61.0305,  
68.1406

■ 34.3984, 49.9899,  
63.5628

■ 61.7636, 64.0067,  
68.9322

■ 33.5451, 49.5611,  
63.0236

■ 68.3351, 67.3828,  
69.7628

■ 33.0756, 49.3300,  
62.5051

■ 75.4131, 71.0201,  
70.6197

■ 32.9697, 49.2787,  
62.3526

■ 75.5144, 71.0606,  
71.1529

■ 75.6161, 71.1013,  
71.6887

■ 75.7184, 71.1422,  
72.2272

# Harmonies

## Analogous

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



43.0188, 54.3448, 51.9172



42.9354, 54.3448, 65.9843



45.0804, 54.3448, 80.2129

# Triad

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



42.9354, 54.3448, 65.9843



58.5551, 54.3448, 81.1195



54.3430, 54.3448, 36.6125

# Complementary

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



42.9354, 54.3448, 65.9843



38.4337, 31.3653, 26.5847

# 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.



58.8355, 54.3448, 42.1760



42.9354, 54.3448, 65.9843



61.3717, 54.3448, 67.0735

# Square

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



42.9354, 54.3448, 65.9843



53.9799, 54.3448, 89.8516



61.4775, 54.3448, 52.8460



49.3941, 54.3448, 36.4168



# Rectangle

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



42.9354, 54.3448, 65.9843



47.5698, 54.3448, 87.2561



61.4775, 54.3448, 52.8460



55.9637, 54.3448, 37.8712

# Sweetspot

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



42.9370, 54.3470, 65.9856



85.2972, 94.9925, 107.5271



36.6218, 51.8911, 29.5597



18.0215, 20.2114, 22.9801



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.



42.9370, 54.3470, 65.9856



64.4067, 84.2832, 103.8312



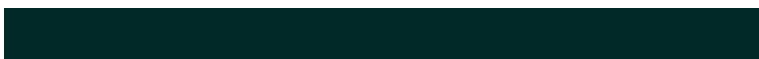
35.7577, 39.4027, 65.3977



12.1376, 13.3988, 15.0812



20.5564, 30.7155, 38.9058



1.1557, 1.7200, 2.2088



# Inverse Universe

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



38.4337, 31.3653, 26.5847



56.3126, 42.9570, 32.9992



43.6837, 42.1958, 27.3162



11.8271, 11.8156, 12.3656



16.2483, 8.3722, 0.9480

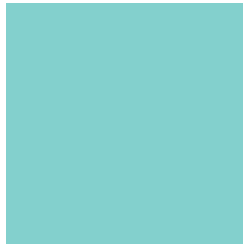


0.9152, 0.4708, 0.0883



# Previews

## White Background



This preview shows how the XYZ color 42.9354, 54.3448, 65.9843 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

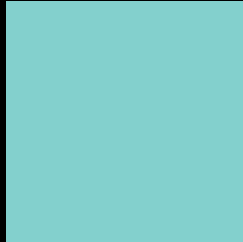
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.9354, 54.3448, 65.9843 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

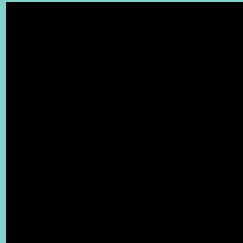
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

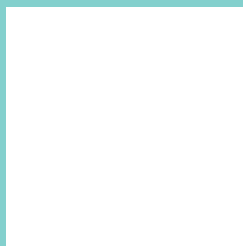
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.9354, 54.3448, 65.9843**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.9354, 54.3448, 65.9843.



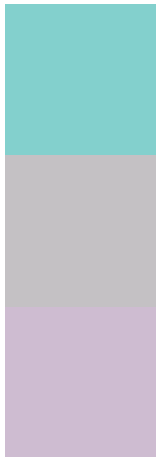
This preview shows how white text looks on a background with the XYZ color 42.9354, 54.3448,



# 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

42.9354, 54.3448, 65.9843

### Protanopia

51.7987, 53.8612, 59.8907

### Deuteranopia

54.9454, 53.6917, 67.7892



## **Tritanopia**

45.0078, 54.0875, 77.1750

# Trichromacy



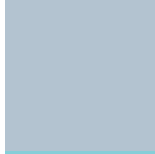
## Original Color

42.9354, 54.3448, 65.9843



## Protanomaly

47.5161, 53.2823, 61.8130



## Deuteranomaly

49.4907, 53.1680, 67.3285



## Tritanomaly

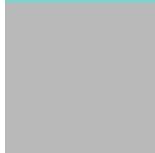
44.2975, 54.1688, 73.0866

# Monochromacy



## Original Color

42.9354, 54.3448, 65.9843



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

44.1014, 49.9450, 57.1851

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.9354, 54.3448, 65.9843 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(131, 208, 205)` looks like.

```
.text, #text, p{  
    color:rgb(131, 208, 205)  
}
```

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(131, 208, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 208, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 42.9354, 54.3448, 65.9843 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(131, 208, 205) }
```



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

```
.border{ border-color:rgb(131, 208, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 208, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 208, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 208, 205); box-shadow:4px 4px 4px 4px rgb(131, 208, 205) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.9354, 54.3448, 65.9843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 208, 205) }
```

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

```
.background{ background-color: rgb(131,  
208, 205) }
```

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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