

# Converting Colors

XYZ(42.2843, 54.9441, 64.5191)

Have a look what the booklet for  
XYZ(42.2843, 54.9441, 64.5191)  
contains.

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# Color

**XYZ(42.1647, 54.7174,  
64.2163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DD2CA
RGB	125, 210, 202
RGB Percent	49%, 82%, 79%
CMY	0.5098, 0.1765, 0.2078
CMYK	0.40, 0.00, 0.04, 0.18
HSL	174°, 49%, 66%
HSV	174°, 40%, 82%
XYZ	42.1647, 54.7174, 64.2163
YIQ	183.6730, -48.0920, -20.5080

# Conversions

## Conversions Part 2

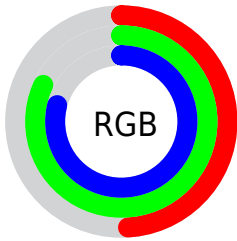
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 170, 210
Decimal	8245962
CIELab	78.88, -27.62, -4.14
CIELCh	79, 27.931, 188.523
Yxy	54.7174, 0.2617, 0.3397
Android (android.graphics.Color)	4286436042 (0xFF7DD2CA)
YUV	183.6730, 9.0352, -51.4562
Hunter-Lab	73.9712, -27.7019, 0.3087

# Details

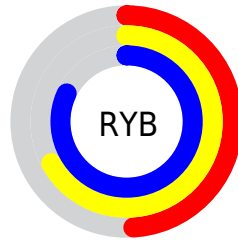
The XYZ color **42.1647, 54.7174, 64.2163** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.1475, 30.0639, 25.9847**, and the grayscale version is **45.3517, 47.7135, 51.9600**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **19.5209, 26.8460, 32.1699** is the 20% darker color. If you saturate the color by 10%, you get **39.1850, 53.2095, 62.8638**, and if you desaturate by 10%, it is **45.7987, 56.5649, 65.6175**.

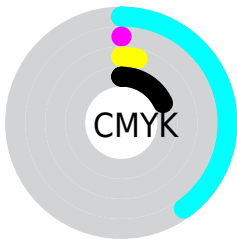
# Distribution



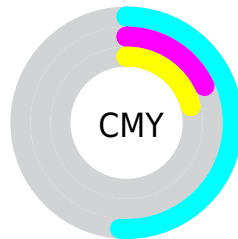
- Red (49%)
- Green (82%)
- Blue (79%)



- Red (49%)
- Yellow (67%)
- Blue (82%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (18%)




- Cyan (51%)
- Magenta (18%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1647, 54.7174, 64.2163 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 42.1647, 54.7174, 64.2163 by changing the saturation by 10% instead.





 42.1647, 54.7174,  
64.2163


 42.1647, 54.7174,  
64.2163


346.1452,  
404.8398, 458.1992


 29.4219, 39.1755,  
46.3786


 77.7124, 97.1268,  
112.5248

 19.5461, 26.8963,  
32.1939

 101.2481,  
124.7631, 143.8328

 12.1719, 17.4953,  
21.2436


 129.1122,  
157.1996, 180.4678

 6.9339, 10.5883,  
13.1092

161.6699,  
194.8208, 222.8486

 3.4668, 5.7907,  
7.3722

199.2868,  
238.0110, 271.3935

 1.4051, 2.7182,  
3.6140

242.3280,

 0.2599, 0.9865,

287.1546, 326.5213

1.4160

291.1591,  
342.6361, 388.6503

■ 0.0000, 0.0000,  
0.1542

■ 0.0000, 0.0000,  
0.0000

■ 42.1647, 54.7174,  
64.2163

■ 42.1647, 54.7174,  
64.2163

■ 39.1850, 53.2095,  
62.8638

■ 45.7987, 56.5649,  
65.6175

■ 36.8135, 52.0135,  
61.5541


■ 50.1199, 58.7650,  
67.0654

■ 35.0061, 51.1079,  
60.2864


■ 55.1645, 61.3377,  
68.5629


■ 33.7101, 50.4657,  
59.0580


■ 60.9650, 64.2997,  
70.1116


 32.8633, 50.0547,  
57.8662


 67.5517, 67.6666,  
71.7130

 32.3673, 49.8229,  
56.7598

 74.9534, 71.4534,  
73.3685

 76.6616, 72.3046,  
74.7735

 76.9186, 72.4074,  
76.1267

 77.1786, 72.5114,  
77.4961

# Harmonies

## Analogous

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



42.7080, 54.7174, 49.0884



42.1647, 54.7174, 64.2163



44.1080, 54.7174, 80.6784

# Triad

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



42.1647, 54.7174, 64.2163



58.9304, 54.7174, 86.7854



56.0071, 54.7174, 35.4523

# Complementary

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



42.1647, 54.7174, 64.2163



38.1475, 30.0639, 25.9847

# 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.



60.7975, 54.7174, 42.5202



42.1647, 54.7174, 64.2163



62.5669, 54.7174, 71.4645

# Square

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



42.1647, 54.7174, 64.2163



53.6026, 54.7174, 95.1421



63.2734, 54.7174, 55.1685



50.4439, 54.7174, 34.2065



# Rectangle

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



42.1647, 54.7174, 64.2163



46.6392, 54.7174, 89.5793



63.2734, 54.7174, 55.1685



57.7721, 54.7174, 37.1568

# Sweetspot

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



42.1663, 54.7196, 64.2176



84.2142, 94.4671, 105.9900



36.5019, 52.6034, 27.6328



17.7953, 20.1025, 22.6199



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.



42.1663, 54.7196, 64.2176



61.1871, 82.7552, 97.7301



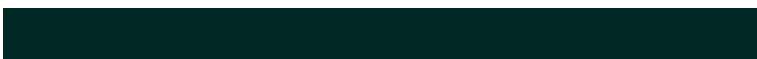
35.6173, 40.0656, 66.8314



12.1084, 13.3871, 14.9271



19.7630, 30.3981, 34.7276



1.1193, 1.7054, 2.0171



# Inverse Universe

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



38.1475, 30.0639, 25.9847



54.0978, 39.1860, 30.2301



42.6800, 39.9804, 24.8707



11.8533, 11.8261, 12.5033



16.3048, 8.3947, 1.2451

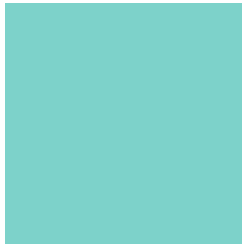


0.9275, 0.4757, 0.1532



# Previews

## White Background



This preview shows how the XYZ color 42.1647, 54.7174, 64.2163 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

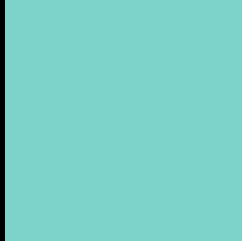
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.1647, 54.7174, 64.2163 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

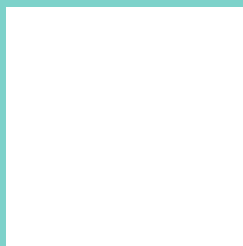
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.1647, 54.7174, 64.2163**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.1647, 54.7174, 64.2163.



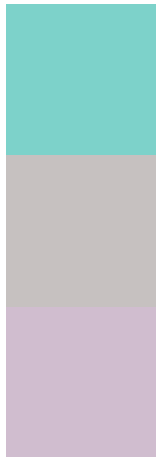
This preview shows how white text looks on a background with the XYZ color 42.1647, 54.7174,



# 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

42.1647, 54.7174, 64.2163

### Protanopia

51.8731, 53.9515, 57.5488

### Deuteranopia

55.4725, 54.3101, 66.5907



## Tritanopia

44.9922, 54.7787, 78.0140

# Trichromacy



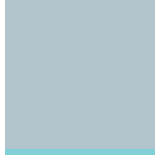
## Original Color

42.1647, 54.7174, 64.2163



## Protanomaly

47.1818, 53.4903, 60.0625



## Deuteranomaly

49.3458, 53.8053, 65.5423



## Tritanomaly

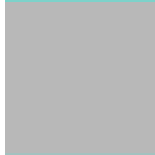
43.8749, 54.6852, 72.5328

# Monochromacy



## Original Color

42.1647, 54.7174, 64.2163



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

43.5782, 49.6880, 56.5842

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.1647, 54.7174, 64.2163 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(125, 210, 202)` looks like.

```
.text, #text, p{  
    color:rgb(125, 210, 202)  
}
```

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(125, 210, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 210, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 42.1647, 54.7174, 64.2163 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(125, 210, 202) }
```



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

```
.border{ border-color:rgb(125, 210, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 210, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 210, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 210, 202);  
box-shadow:4px 4px 4px 4px rgb(125, 210,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.1647, 54.7174, 64.2163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 210, 202) }
```

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

```
.background{ background-color: rgb(125,  
210, 202) }
```

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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