

# Converting Colors

XYZ(42.0482, 57.4812, 51.2620)

Have a look what the booklet for  
XYZ(42.0482, 57.4812, 51.2620)  
contains.

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# Color

**XYZ(42.1555, 57.6262,  
51.5490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82D9B3
RGB	130, 217, 179
RGB Percent	51%, 85%, 70%
CMY	0.4902, 0.1490, 0.2980
CMYK	0.40, 0.00, 0.18, 0.15
HSL	154°, 53%, 68%
HSV	154°, 40%, 85%
XYZ	42.1555, 57.6262, 51.5490
YIQ	186.6550, -39.6540, -30.2620

# Conversions

## Conversions Part 2

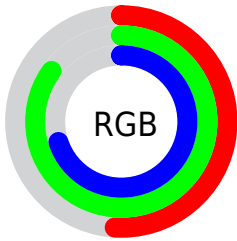
Format	Color
<a href="#">RYB</a>	<a href="#">130, 186, 217</a>
Decimal	<a href="#">8575411</a>
CIELab	<a href="#">80.53, -34.77, 10.55</a>
CIELCh	<a href="#">81, 36.339, 163.115</a>
Yxy	<a href="#">57.6262, 0.2786, 0.3808</a>
Android (android.graphics.Color)	<a href="#">4286765491 (0xFF82D9B3)</a>
YUV	<a href="#">186.6550, -3.7739, -49.6864</a>
Hunter-Lab	<a href="#">75.9119, -33.7210, 12.8767</a>

# Details

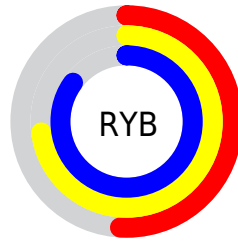
The XYZ color **42.1555, 57.6262, 51.5490** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.6678, 33.5456, 41.2215**, and the grayscale version is **47.0776, 49.5293, 53.9374**.

A 20% lighter version of the original color is **71.0051, 87.9573, 91.8323**, and **19.5879, 28.8429, 24.2735** is the 20% darker color. If you saturate the color by 10%, you get **38.2457, 55.7192, 46.5332**, and if you desaturate by 10%, it is **46.8363, 59.9261, 56.9474**.

# Distribution



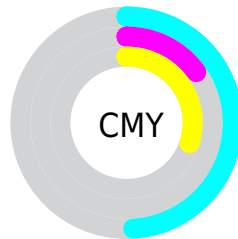
- Red (51%)
- Green (85%)
- Blue (70%)



- Red (51%)
- Yellow (73%)
- Blue (85%)



- Cyan (40%)
- Magenta (0%)
- Yellow (18%)
- Black (15%)



- Cyan (49%)
- Magenta (15%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1555, 57.6262, 51.5490 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 42.1555, 57.6262, 51.5490 by changing the saturation by 10% instead.



■ 42.1555, 57.6262,  
51.5490

■ 42.1555, 57.6262,  
51.5490

346.1078,  
415.7916, 409.6003

■ 29.4147, 41.5082,  
36.2660

■ 77.6986, 101.3783,  
93.8856

■ 19.5406, 28.7164,  
24.3483

■ 101.2316,  
129.7812, 121.7762

■ 12.1679, 18.8664,  
15.3776

■ 129.0928,  
163.0479, 154.7064

■ 6.9311, 11.5738,  
8.9353

161.6474,  
201.5628, 193.0947

■ 3.4650, 6.4542,  
4.6028

199.2609,  
245.7102, 237.3597

■ 1.4042, 3.1232,  
1.9615

242.2985,

■ 0.2592, 1.1964,

295.8745, 287.9200

0.5315

291.1257,  
352.4402, 345.1940

■ 0.0000, 0.0587,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 42.1555, 57.6262,  
51.5490

■ 42.1555, 57.6262,  
51.5490

■ 38.2457, 55.7192,  
46.5332

■ 46.8363, 59.9261,  
56.9474

■ 35.0563, 54.1745,  
41.8871


■ 52.3252, 62.6334,  
62.7331


■ 32.5380, 52.9685,  
37.6026


■ 58.6625, 65.7702,  
68.9157


■ 30.6328, 52.0714,  
33.6695


■ 65.8846, 69.3549,  
75.5032


 29.2719, 51.4480,  
30.0772


 74.0253, 73.4051,  
82.5034

 28.3402, 51.0383,  
26.8405

 81.1759, 76.9366,  
89.8329

 82.5893, 77.5019,  
97.2754

 84.0768, 78.0969,  
105.1086

 84.1039, 78.1078,  
105.2513

# Harmonies

## Analogous

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



45.5375, 57.6262, 37.2711



42.1555, 57.6262, 51.5490



41.9507, 57.6262, 72.5408

# Triad

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



42.1555, 57.6262, 51.5490



58.0933, 57.6262, 111.8875



65.9298, 57.6262, 38.6382

# Complementary

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



42.1555, 57.6262, 51.5490



43.6678, 33.5456, 41.2215

# 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.



69.9709, 57.6262, 53.8735



42.1555, 57.6262, 51.5490



65.1774, 57.6262, 97.7827

# Square

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



42.1555, 57.6262, 51.5490



50.7087, 57.6262, 110.8618



69.6837, 57.6262, 75.4553



59.0467, 57.6262, 31.0618



# Rectangle

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



42.1555, 57.6262, 51.5490



43.6100, 57.6262, 87.9838



69.6837, 57.6262, 75.4553



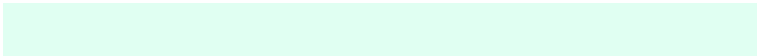
67.6925, 57.6262, 42.8633

# Sweetspot

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



42.1571, 57.6285, 51.5503



82.5967, 93.8201, 97.4722



45.2384, 59.6915, 30.2573



17.4132, 19.9497, 20.6079



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

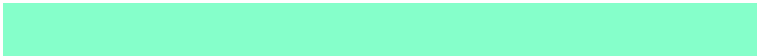


# Same Dimension

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



42.1571, 57.6285, 51.5503



55.9756, 80.7164, 68.2189



45.4385, 57.1706, 74.2885



13.1921, 14.7285, 15.4746



17.2089, 30.9162, 16.5314



1.1579, 2.0201, 1.2975



# Inverse Universe

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



43.6678, 33.5456, 41.2215



58.4426, 41.4736, 51.4152



41.2198, 33.5120, 25.4160



13.2911, 13.1455, 14.7940



18.6177, 9.4481, 7.6328

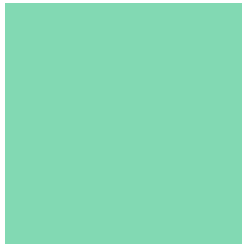


1.2489, 0.6292, 0.7197



# Previews

## White Background



This preview shows how the XYZ color 42.1555, 57.6262, 51.5490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

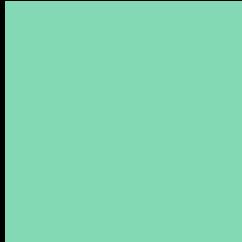
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.1555, 57.6262, 51.5490 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 42.1555, 57.6262, 51.5490**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.1555, 57.6262, 51.5490.



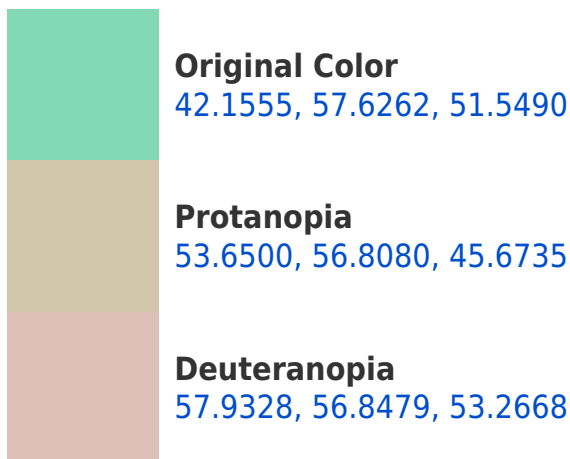
This preview shows how white text looks on a background with the XYZ color 42.1555, 57.6262,



# 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





## Tritanopia

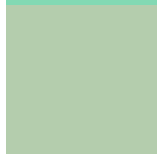
48.0671, 57.3900, 81.2170

# Trichromacy



## Original Color

42.1555, 57.6262, 51.5490



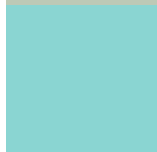
## Protanomaly

48.1965, 56.3831, 47.8780



## Deuteranomaly

50.3164, 55.9695, 52.4072



## Tritanomaly

45.9083, 57.6449, 69.6797

# Monochromacy



## Original Color

42.1555, 57.6262, 51.5490



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

44.5717, 51.9558, 53.0267

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.1555, 57.6262, 51.5490 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(130, 217, 179)` looks like.

```
.text, #text, p{  
    color:rgb(130, 217, 179)  
}
```

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(130, 217, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 217, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 42.1555, 57.6262, 51.5490 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(130, 217, 179) }
```



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

```
.border{ border-color:rgb(130, 217, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 217, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 217, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 217, 179);  
box-shadow:4px 4px 4px 4px rgb(130, 217,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.1555, 57.6262, 51.5490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 217, 179) }
```

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

```
.background{ background-color: rgb(130,  
217, 179) }
```

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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