

# Converting Colors

XYZ(41.7765, 60.0057, 43.5923)

Have a look what the booklet for  
XYZ(41.7765, 60.0057, 43.5923)  
contains.

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# Color

**XYZ(41.8114, 59.9732,  
43.5547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80DFA2
RGB	128, 223, 162
RGB Percent	50%, 87%, 64%
CMY	0.4980, 0.1255, 0.3647
CMYK	0.43, 0.00, 0.27, 0.13
HSL	141°, 60%, 69%
HSV	141°, 43%, 87%
XYZ	41.8114, 59.9732, 43.5547
YIQ	187.6410, -37.0390, -39.1110

# Conversions

## Conversions Part 2

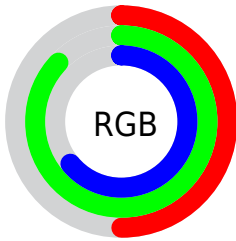
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">128, 198, 223</a>
Decimal	<a href="#">8445858</a>
CIELab	<a href="#">81.82, -41.39, 21.30</a>
CIElCh	<a href="#">82, 46.545, 152.769</a>
Yxy	<a href="#">59.9732, 0.2877, 0.4126</a>
Android (android.graphics.Color)	<a href="#">4286635938 (0xFF80DFA2)</a>
YUV	<a href="#">187.6410, -12.6410, -52.3052</a>
Hunter-Lab	<a href="#">77.4424, -39.1514, 20.8641</a>

# Details

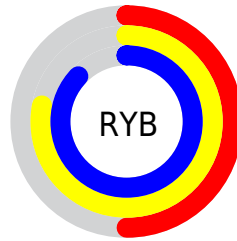
The XYZ color **41.8114, 59.9732, 43.5547** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **47.3380, 34.8019, 52.3690**, and the grayscale version is **47.6821, 50.1653, 54.6300**.

A 20% lighter version of the original color is **68.0515, 86.7201, 78.7976**, and **19.3057, 30.1409, 19.5521** is the 20% darker color. If you saturate the color by 10%, you get **37.6175, 57.9516, 37.0886**, and if you desaturate by 10%, it is **46.8906, 62.4377, 50.8215**.

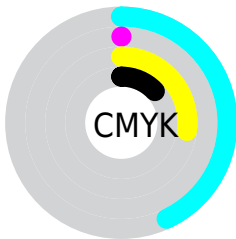
# Distribution



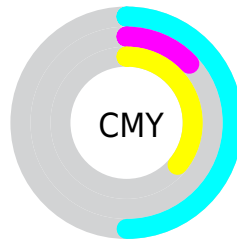
- Red (50%)
- Green (87%)
- Blue (64%)



- Red (50%)
- Yellow (78%)
- Blue (87%)



- Cyan (43%)
- Magenta (0%)
- Yellow (27%)
- Black (13%)




- Cyan (50%)
- Magenta (13%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8114, 59.9732, 43.5547 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 41.8114, 59.9732, 43.5547 by changing the saturation by 10% instead.




 41.8114, 59.9732,  
43.5547


 41.8114, 59.9732,  
43.5547


344.7055,  
424.4990, 376.8761

 29.1441, 43.3970,  
29.9860


 77.1811, 104.7908,  
81.8426

 19.3347, 30.1968,  
19.5760


 100.6141,  
133.8010, 107.3988

 12.0178, 19.9880,  
11.9062


 128.3665,  
167.7247, 137.7879

 6.8281, 12.3863,  
6.5581

160.8036,  
206.9462, 173.4285

 3.4002, 7.0073,  
3.1131

198.2906,  
251.8500, 214.7390

 1.3688, 3.4667,  
1.1527

241.1931,

 0.2338, 1.3800,

302.8205, 262.1381

0.0000

289.8762,  
360.2420, 316.0443

■ 0.0000, 0.2019,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.8114, 59.9732,  
43.5547

■ 41.8114, 59.9732,  
43.5547

■ 37.6175, 57.9516,  
37.0886

■ 46.8906, 62.4377,  
50.8215

■ 34.2504, 56.3384,  
31.3913


■ 52.8992, 65.3624,  
58.9114


■ 31.6519, 55.1059,  
26.4348


■ 59.8842, 68.7727,  
67.8507


■ 29.7536, 54.2193,  
22.1876


■ 67.8878, 72.6898,  
77.6635

 28.4739, 53.6373,  
18.6158

 76.9497, 77.1337,  
88.3729

 27.8298, 53.3540,  
16.3842

 84.5594, 80.8099,  
99.8818

 85.6788, 81.2576,  
105.7763

# Harmonies

## Analogous

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



47.3838, 59.9732, 29.5742



41.8114, 59.9732, 43.5547



40.1501, 59.9732, 67.9469

# Triad

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



41.8114, 59.9732, 43.5547



57.9194, 59.9732, 135.5527



74.3948, 59.9732, 40.1924

# Complementary

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



41.8114, 59.9732, 43.5547



47.3380, 34.8019, 52.3690

# 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.



78.0132, 59.9732, 62.7240



41.8114, 59.9732, 43.5547



67.8425, 59.9732, 122.1250

# Square

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



41.8114, 59.9732, 43.5547



48.7938, 59.9732, 126.1318



75.4890, 59.9732, 93.2944



66.0843, 59.9732, 28.0608

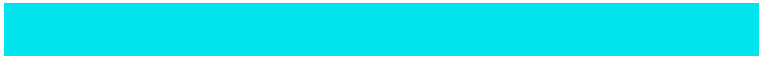


# Rectangle

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



41.8114, 59.9732, 43.5547



41.3081, 59.9732, 88.5376



75.4890, 59.9732, 93.2944



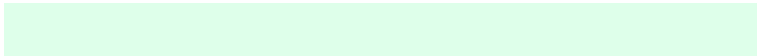
76.2407, 59.9732, 46.5329

# Sweetspot

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



41.8130, 59.9757, 43.5561



80.6485, 92.9500, 91.3171



51.4589, 65.2516, 30.3055



16.7897, 19.6643, 18.9502



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.



41.8130, 59.9757, 43.5561



51.6079, 78.8353, 51.2716



46.7694, 61.9582, 69.6561



13.7304, 15.4179, 15.6157



16.4119, 31.3896, 9.8920



1.1793, 2.1924, 0.9054



# Inverse Universe

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



47.3380, 34.8019, 52.3690



60.0088, 40.4912, 64.6225



43.0536, 33.0881, 29.8082



14.0759, 13.8480, 16.1700



20.8727, 10.4161, 16.5273



1.4890, 0.7389, 1.3681



# Previews

## White Background



This preview shows how the XYZ color 41.8114, 59.9732, 43.5547 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

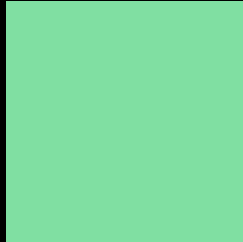
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.8114, 59.9732, 43.5547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

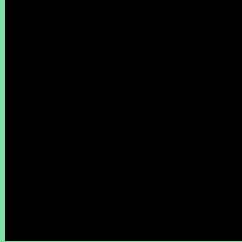
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.8114, 59.9732, 43.5547**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8114, 59.9732, 43.5547.



This preview shows how white text looks on a background with the XYZ color 41.8114, 59.9732,



# 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



<b>Original Color</b>
41.8114, 59.9732, 43.5547
<b>Protanopia</b>
55.4033, 59.2598, 38.2240
<b>Deuteranopia</b>
60.2914, 58.9032, 45.2375



## Tritanopia

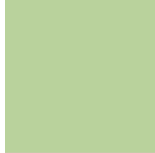
49.9720, 59.7919, 84.5085

# Trichromacy



## Original Color

41.8114, 59.9732, 43.5547



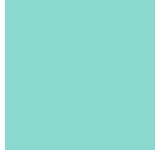
## Protanomaly

49.0549, 58.8078, 40.2181



## Deuteranomaly

51.2199, 58.0179, 44.5754



## Tritanomaly

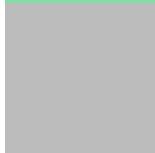
46.4347, 59.4852, 67.4269

# Monochromacy



## Original Color

41.8114, 59.9732, 43.5547



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

44.7492, 53.1350, 50.5454

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8114, 59.9732, 43.5547 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(128, 223, 162)` looks like.

```
.text, #text, p{  
    color:rgb(128, 223, 162)  
}
```

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(128, 223, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 223, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8114, 59.9732, 43.5547 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(128, 223, 162) }
```



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

```
.border{ border-color:rgb(128, 223, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 223, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 223, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 223, 162); box-shadow:4px 4px 4px 4px rgb(128, 223, 162) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8114, 59.9732, 43.5547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 223, 162) }
```

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

```
.background{ background-color: rgb(128,  
223, 162) }
```

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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