

# Converting Colors

XYZ(40.9901, 62.9031, 39.6684)

Have a look what the booklet for  
XYZ(40.9901, 62.9031, 39.6684)  
contains.

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# Color

**XYZ(41.0535, 62.9295,  
39.6886)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71E798
RGB	113, 231, 152
RGB Percent	44%, 91%, 60%
CMY	0.5569, 0.0941, 0.4039
CMYK	0.51, 0.00, 0.34, 0.09
HSL	140°, 71%, 67%
HSV	140°, 51%, 91%
XYZ	41.0535, 62.9295, 39.6886
YIQ	186.7120, -44.9690, -49.5850

# Conversions

## Conversions Part 2

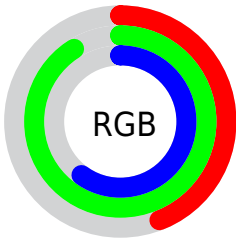
Format	Color
<a href="#">RYB</a>	<a href="#">113, 202, 231</a>
Decimal	<a href="#">7464856</a>
CIELab	<a href="#">83.41, -50.52, 28.52</a>
CIElCh	<a href="#">83, 58.011, 150.551</a>
Yxy	<a href="#">62.9295, 0.2857, 0.4380</a>
Android (android.graphics.Color)	<a href="#">4285654936 (0xFF71E798)</a>
YUV	<a href="#">186.7120, -17.1130, -64.6454</a>
Hunter-Lab	<a href="#">79.3281, -46.4478, 25.8663</a>

# Details

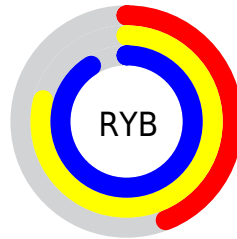
The XYZ color **41.0535, 62.9295, 39.6886** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.3766, 32.6064, 53.6156**, and the grayscale version is **47.1847, 49.6420, 54.0601**.

A 20% lighter version of the original color is **63.8171, 84.6829, 72.0134**, and **18.7517, 31.8703, 17.2199** is the 20% darker color. If you saturate the color by 10%, you get **37.2662, 61.1158, 33.3254**, and if you desaturate by 10%, it is **45.7655, 65.2044, 46.9601**.

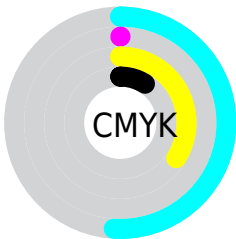
# Distribution



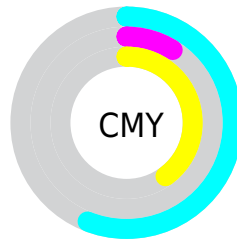
- Red (44%)
- Green (91%)
- Blue (60%)



- Red (44%)
- Yellow (79%)
- Blue (91%)



- Cyan (51%)
- Magenta (0%)
- Yellow (34%)
- Black (9%)




- Cyan (56%)
- Magenta (9%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0535, 62.9295, 39.6886 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 41.0535, 62.9295, 39.6886 by changing the saturation by 10% instead.





 41.0535, 62.9295,  
39.6886


 41.0535, 62.9295,  
39.6886


341.6029,  
435.3136, 360.3223


 28.5487, 45.7842,  
26.9839


 76.0393, 109.0678,  
75.9210

 18.8823, 32.0755,  
17.3288


 99.2510, 138.8296,  
100.2857

 11.6887, 21.4192,  
10.3048


 126.7625,  
173.5656, 129.3743

 6.6028, 13.4308,  
5.4933

158.9390,  
213.6603, 163.6051

 3.2591, 7.7258,  
2.4757

196.1460,  
259.4980, 203.3968

 1.2922, 3.9200,  
0.8272

238.7487,

 0.1774, 1.6289,

311.4632, 249.1679

0.0000

287.1126,  
369.9403, 301.3368

■ 0.0000, 0.3770,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.0535, 62.9295,  
39.6886

■ 41.0535, 62.9295,  
39.6886

■ 37.2662, 61.1158,  
33.3254

■ 45.7655, 65.2044,  
46.9601

■ 34.3338, 59.7226,  
27.8300


■ 51.4558, 67.9620,  
55.1695


■ 32.1840, 58.7154,  
23.1652


■ 58.1795, 71.2319,  
64.3506


■ 30.7293, 58.0498,  
19.2892

■ 65.9859, 75.0390,  
74.5341

 29.8937, 57.6808,  
16.4589

 74.9214, 79.4064,  
85.7492

 85.0294, 84.3560,  
98.0241

 87.8671, 85.6341,  
106.5057

# Harmonies

## Analogous

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



48.2942, 62.9295, 24.3698



41.0535, 62.9295, 39.6886



38.6599, 62.9295, 69.1904

# Triad

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



41.0535, 62.9295, 39.6886



60.0464, 62.9295, 164.2981



83.2686, 62.9295, 38.8893

# Complementary

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



41.0535, 62.9295, 39.6886



48.3766, 32.6064, 53.6156

# 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.



87.5431, 62.9295, 67.8530



41.0535, 62.9295, 39.6886



73.0307, 62.9295, 147.6005

# Square

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



41.0535, 62.9295, 39.6886



48.6457, 62.9295, 148.7186



83.5600, 62.9295, 108.7358



72.5697, 62.9295, 24.0357



# Rectangle

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



41.0535, 62.9295, 39.6886



39.8264, 62.9295, 95.9604



83.5600, 62.9295, 108.7358



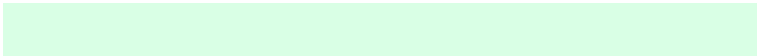
85.5666, 62.9295, 46.8826

# Sweetspot

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



41.0551, 62.9321, 39.6900



78.4986, 91.9125, 88.0194



53.7129, 69.7678, 26.2591



16.3592, 19.4572, 18.2621



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.



41.0551, 62.9321, 39.6900



46.5294, 76.4279, 41.5181



46.9420, 65.2868, 70.6899



14.3848, 16.1673, 16.2910



16.8093, 32.3558, 9.4963



1.2839, 2.4077, 0.9215



# Inverse Universe

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



48.3766, 32.6064, 53.6156



56.5946, 34.6092, 60.5669



43.2093, 30.5395, 26.4049



14.7819, 14.5300, 17.0521



21.8353, 10.8683, 18.5593



1.6561, 0.8201, 1.5953



# Previews

## White Background



This preview shows how the XYZ color 41.0535, 62.9295, 39.6886 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 41.0535, 62.9295, 39.6886 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 41.0535, 62.9295, 39.6886**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.0535, 62.9295, 39.6886.



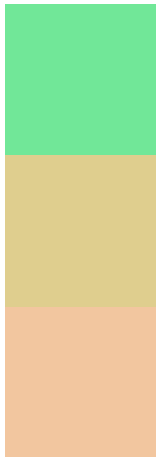
This preview shows how white text looks on a background with the XYZ color 41.0535, 62.9295,



# 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

41.0535, 62.9295, 39.6886

### Protanopia

57.3852, 61.7836, 34.4921

### Deuteranopia

63.0700, 61.7686, 41.3993



## Tritanopia

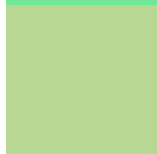
51.0175, 62.5103, 90.2657

# Trichromacy



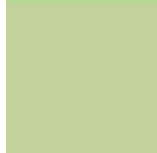
## Original Color

41.0535, 62.9295, 39.6886



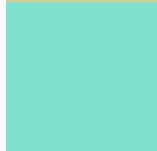
## Protanomaly

49.0172, 60.7435, 36.3353



## Deuteranomaly

51.5530, 60.0956, 40.3350



## Tritanomaly

46.6705, 62.3283, 68.6023

# Monochromacy



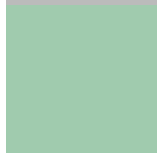
## Original Color

41.0535, 62.9295, 39.6886



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

43.4931, 53.2414, 48.0287

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.0535, 62.9295, 39.6886 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(113, 231, 152)` looks like.

```
.text, #text, p{  
    color:rgb(113, 231, 152)  
}
```

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(113, 231, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 231, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 41.0535, 62.9295, 39.6886 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(113, 231, 152) }
```



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

```
.border{ border-color:rgb(113, 231, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 231, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 231, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 231, 152);  
box-shadow:4px 4px 4px 4px rgb(113, 231,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.0535, 62.9295, 39.6886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 231, 152) }
```

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

```
.background{ background-color: rgb(113,  
231, 152) }
```

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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