

# Converting Colors

XYZ(39.9200, 63.8222, 40.3497)

Have a look what the booklet for  
XYZ(39.9200, 63.8222, 40.3497)  
contains.

<b>XYZ(40.0742, 64.0963, 40.3967)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(40.0742, 64.0963,  
40.3967)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EEB99
RGB	94, 235, 153
RGB Percent	37%, 92%, 60%
CMY	0.6314, 0.0784, 0.4000
CMYK	0.60, 0.00, 0.35, 0.08
HSL	145°, 78%, 65%
HSV	145°, 60%, 92%
XYZ	40.0742, 64.0963, 40.3967
YIQ	183.4930, -57.7140, -55.3940

# Conversions

## Conversions Part 2

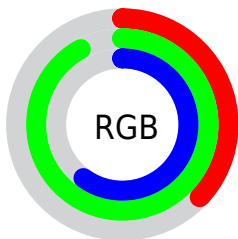
Format	Color
<b>RYB</b>	94, 193, 235
Decimal	6220697
CIELab	84.02, -56.18, 28.73
CIELCh	84, 63.097, 152.914
Yxy	64.0963, 0.2772, 0.4434
Android (android.graphics.Color)	4284410777 (0xFF5EEB99)
YUV	183.4930, -15.0330, -78.4854
Hunter-Lab	80.0602, -50.7569, 26.1256

# Details

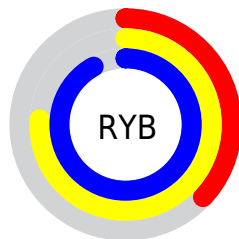
The XYZ color **40.0742, 64.0963, 40.3967** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **46.1022, 28.8035, 44.2062**, and the grayscale version is **45.3848, 47.7484, 51.9980**.

A 20% lighter version of the original color is **60.6627, 83.0426, 72.5061**, and **18.2694, 32.7804, 17.6763** is the 20% darker color. If you saturate the color by 10%, you get **36.9565, 62.6138, 34.6927**, and if you desaturate by 10%, it is **44.0579, 66.0137, 46.8191**.

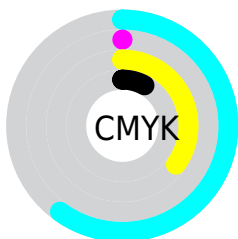
# Distribution



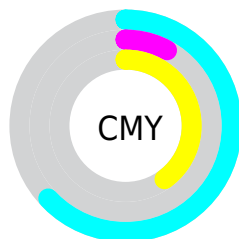
- Red (37%)
- Green (92%)
- Blue (60%)



- Red (37%)
- Yellow (76%)
- Blue (92%)



- Cyan (60%)
- Magenta (0%)
- Yellow (35%)
- Black (8%)




- Cyan (63%)
- Magenta (8%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0742, 64.0963, 40.3967 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 40.0742, 64.0963, 40.3967 by changing the saturation by 10% instead.





 40.0742, 64.0963,  
40.3967


 40.0742, 64.0963,  
40.3967


337.5653,  
439.5373, 363.3945


 27.7809, 46.7287,  
27.5318


 74.5601, 110.7496,  
77.0109


 18.3002, 32.8212,  
17.7371


 97.4834, 140.8041,  
101.5973

 11.2667, 21.9895,  
10.5939


 124.6807,  
175.8563, 130.9280

 6.3151, 13.8492,  
5.6838

 156.5174,  
216.2907, 165.4215

 3.0801, 8.0159,  
2.5881

193.3589,  
262.4915, 205.4964

 1.1963, 4.1051,  
0.8863

235.5704,

 0.1034, 1.7325,

314.8433, 251.5711

0.0000

283.5175,  
373.7305, 304.0643

■ 0.0000, 0.4446,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 40.0742, 64.0963,  
40.3967

■ 40.0742, 64.0963,  
40.3967

■ 36.9565, 62.6138,  
34.6927

■ 44.0579, 66.0137,  
46.8191

■ 34.6264, 61.5213,  
29.6765


■ 48.9672, 68.3911,  
53.9799


■ 32.9992, 60.7771,  
25.3216


■ 54.8616, 71.2605,  
61.9042

■ 31.9300, 60.3073,  
21.5958


■ 61.7943, 74.6489,  
70.6140

 31.9300, 60.3073,  
21.5957

 69.8145, 78.5811,  
80.1307

 78.9682, 83.0805,  
90.4749

 87.9973, 87.4982,  
101.6052

 88.9996, 87.8991,  
106.8832

# Harmonies

## Analogous

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



47.5116, 64.0963, 23.2097



40.0742, 64.0963, 40.3967



37.9211, 64.0963, 73.7579

# Triad

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



40.0742, 64.0963, 40.3967



62.2918, 64.0963, 177.6655



86.2498, 64.0963, 35.8899

# Complementary

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



40.0742, 64.0963, 40.3967



46.1022, 28.8035, 44.2062

# 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.



91.7321, 64.0963, 65.9670



40.0742, 64.0963, 40.3967



76.6437, 64.0963, 155.8801

# Square

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



40.0742, 64.0963, 40.3967



49.5355, 64.0963, 162.6307



87.9760, 64.0963, 110.8063



73.9311, 64.0963, 21.3899



# Rectangle

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



40.0742, 64.0963, 40.3967



39.4550, 64.0963, 104.0695



87.9760, 64.0963, 110.8063



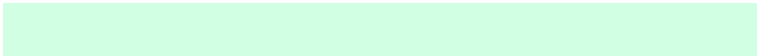
89.0315, 64.0963, 44.0095

# Sweetspot

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



40.0759, 64.0989, 40.3982



76.1289, 90.7084, 87.1179



49.6919, 69.4870, 21.3835



15.7286, 19.1381, 17.9580



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.



40.0759, 64.0989, 40.3982



43.7511, 75.0200, 40.2847



47.6795, 67.1403, 80.4382



15.1298, 16.9667, 17.3662



17.8301, 33.5865, 12.3365



1.4471, 2.6562, 1.2162



# Inverse Universe

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



46.1022, 28.8035, 44.2062



51.5723, 29.0389, 45.0988



40.8539, 26.7042, 16.5695



15.4328, 15.2010, 17.5645



21.6326, 10.8557, 14.3987

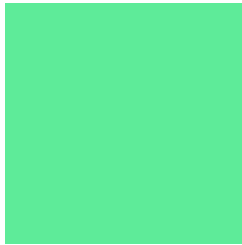


1.7465, 0.8716, 1.3824



# Previews

## White Background



This preview shows how the XYZ color 40.0742, 64.0963, 40.3967 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 40.0742, 64.0963, 40.3967 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 40.0742, 64.0963, 40.3967**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.0742, 64.0963, 40.3967.



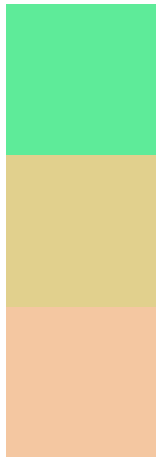
This preview shows how white text looks on a background with the XYZ color 40.0742, 64.0963,



# 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

40.0742, 64.0963, 40.3967

### Protanopia

58.4149, 63.0424, 34.2889

### Deuteranopia

64.1647, 62.6532, 42.4296



## Tritanopia

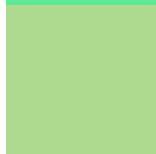
50.5678, 63.7871, 93.6513

# Trichromacy



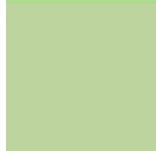
## Original Color

40.0742, 64.0963, 40.3967



## Protanomaly

48.3137, 61.5343, 36.1190



## Deuteranomaly

50.7013, 60.3744, 41.3289



## Tritanomaly

45.9318, 63.5195, 70.8124

# Monochromacy



## Original Color

40.0742, 64.0963, 40.3967



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

41.3294, 51.7989, 46.8496

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.0742, 64.0963, 40.3967 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(94, 235, 153)` looks like.

```
.text, #text, p{  
    color:rgb(94, 235, 153)  
}
```

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(94, 235, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 235, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 40.0742, 64.0963, 40.3967 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(94, 235, 153) }
```



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

```
.border{ border-color:rgb(94, 235, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 235, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 235, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 235, 153);  
box-shadow:4px 4px 4px 4px rgb(94, 235,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.0742, 64.0963, 40.3967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 235, 153) }
```

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

```
.background{ background-color: rgb(94, 235,  
153) }
```

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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