

Converting Colors

XYZ(40.8116, 63.0087, 35.8126)

Have a look what the booklet for
XYZ(40.8116, 63.0087, 35.8126)
contains.

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Color

**XYZ(40.7363, 62.8480,
35.9705)**

Conversions

Conversions Part 1

Format	Color
Hex	74E78F
RGB	116, 231, 143
RGB Percent	45%, 91%, 56%
CMY	0.5451, 0.0941, 0.4392
CMYK	0.50, 0.00, 0.38, 0.09
HSL	134°, 71%, 68%
HSV	134°, 50%, 91%
XYZ	40.7363, 62.8480, 35.9705
YIQ	186.5830, -40.2920, -51.7480

Conversions

Conversions Part 2

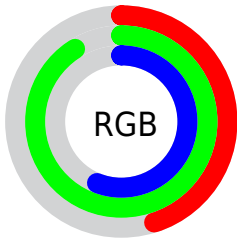
Format	Color
RYB	116, 209, 231
Decimal	7661455
CIELab	83.36, -51.31, 33.06
CIElCh	83, 61.033, 147.207
Yxy	62.8480, 0.2919, 0.4503
Android (android.graphics.Color)	4285851535 (0xFF74E78F)
YUV	186.5830, -21.4864, -61.9013
Hunter-Lab	79.2767, -47.0122, 28.5919

Details

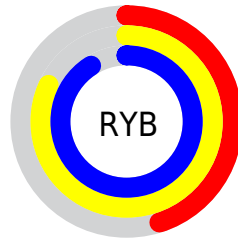
The XYZ color **40.7363, 62.8480, 35.9705** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.1014, 33.8406, 61.0200**, and the grayscale version is **47.1339, 49.5885, 54.0019**.

A 20% lighter version of the original color is **63.2936, 84.5499, 65.8072**, and **18.6434, 31.8570, 15.2916** is the 20% darker color. If you saturate the color by 10%, you get **36.8038, 60.9653, 29.3391**, and if you desaturate by 10%, it is **45.6464, 65.2139, 43.7519**.

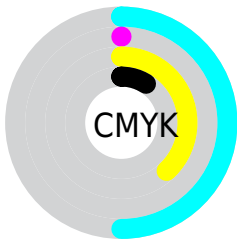
Distribution



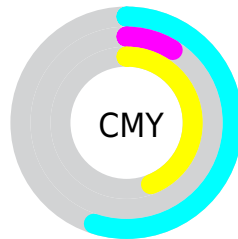
- Red (45%)
- Green (91%)
- Blue (56%)



- Red (45%)
- Yellow (82%)
- Blue (91%)



- Cyan (50%)
- Magenta (0%)
- Yellow (38%)
- Black (9%)





- Cyan (55%)
- Magenta (9%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7363, 62.8480, 35.9705 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 40.7363, 62.8480, 35.9705 by changing the saturation by 10% instead.


 40.7363, 62.8480,
35.9705


 40.7363, 62.8480,
35.9705


340.2987,
435.0176, 343.8651


 28.2999, 45.7183,
24.1219


 75.5607, 108.9502,
70.1551

 18.6934, 32.0235,
15.2110

 98.6793, 138.6914,
93.3281

 11.5517, 21.3795,
8.8194


 126.0894,
173.4053, 121.1130

 6.5092, 13.4017,
4.5283

158.1562,
213.4761, 153.9284

 3.2007, 7.7057,
1.9194

195.2452,
259.2884, 192.1928

 1.2608, 3.9072,
0.5051

237.7218,

 0.1535, 1.6218,

311.2265, 236.3246

0.0000

285.9511,
369.6748, 286.7426

■ 0.0000, 0.3722,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.7363, 62.8480,
35.9705

■ 40.7363, 62.8480,
35.9705

■ 36.8038, 60.9653,
29.3391

■ 45.6464, 65.2139,
43.7519

■ 33.7767, 59.5242,
23.7988


■ 51.5903, 68.0855,
52.7299


■ 31.5799, 58.4892,
19.2918


■ 58.6254, 71.4933,
62.9539


■ 30.1237, 57.8153,
15.7534


■ 66.8036, 75.4629,
74.4690

 29.2639, 57.4297,
13.1094

 76.1734, 80.0185,
87.3181

 29.2486, 57.4228,
13.0614

 86.7803, 85.1827,
101.5423

 87.8671, 85.6342,
106.5057

Harmonies

Analogous

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



48.8033, 62.8480, 21.8176



40.7363, 62.8480, 35.9705



37.6861, 62.8480, 64.9285

Triad

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



40.7363, 62.8480, 35.9705



58.4994, 62.8480, 170.5600



85.4475, 62.8480, 40.1425

Complementary

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



40.7363, 62.8480, 35.9705



50.1014, 33.8406, 61.0200

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.



89.0454, 62.8480, 72.0568



40.7363, 62.8480, 35.9705



72.1885, 62.8480, 156.2633

Square

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



40.7363, 62.8480, 35.9705



46.9438, 62.8480, 150.1646



83.8775, 62.8480, 116.1777



74.6615, 62.8480, 23.5234

Rectangle

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



40.7363, 62.8480, 35.9705



38.5105, 62.8480, 92.4274



83.8775, 62.8480, 116.1777



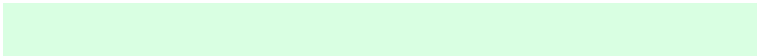
87.6013, 62.8480, 48.9948

Sweetspot

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



40.7379, 62.8506, 35.9719



77.9915, 91.7096, 85.3490



56.6781, 71.2767, 27.2940



16.2382, 19.4087, 17.6247



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.



40.7379, 62.8506, 35.9719



45.8213, 76.1775, 36.3040



46.2445, 65.0533, 64.9694



14.3273, 16.1443, 15.9883



16.4364, 32.2067, 7.5322



1.2500, 2.3941, 0.7432

Inverse Universe

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



50.1014, 33.8406, 61.0200



58.7878, 35.8813, 70.8987



44.4425, 31.5770, 31.2203



14.8428, 14.5543, 17.3725



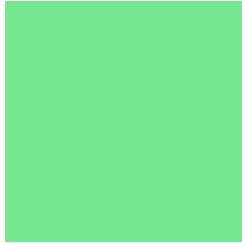
22.9611, 11.3186, 24.4877



1.7319, 0.8505, 1.9946

Previews

White Background



This preview shows how the XYZ color 40.7363, 62.8480, 35.9705 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 40.7363, 62.8480, 35.9705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

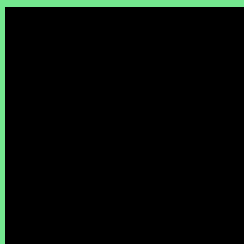
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7363, 62.8480, 35.9705

Background



This preview shows how black text looks on a background with the XYZ color 40.7363, 62.8480, 35.9705.



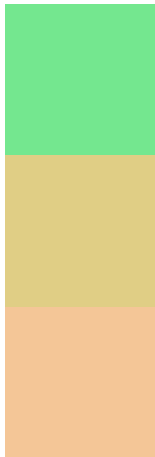
This preview shows how white text looks on a background with the XYZ color 40.7363, 62.8480,

35.9705.

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

40.7363, 62.8480, 35.9705

Protanopia

57.0454, 61.6834, 31.0898

Deuteranopia

63.0882, 61.8556, 37.8924



Tritanopia

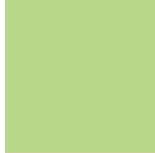
51.5267, 62.7898, 89.5247

Trichromacy



Original Color

40.7363, 62.8480, 35.9705



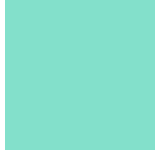
Protanomaly

48.8234, 60.7213, 32.8140



Deuteranomaly

51.4178, 60.1016, 36.9077



Tritanomaly

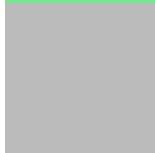
46.7952, 62.4484, 66.0873

Monochromacy



Original Color

40.7363, 62.8480, 35.9705



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.4046, 53.2292, 46.5147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7363, 62.8480, 35.9705 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(116, 231, 143)` looks like.

```
.text, #text, p{  
    color:rgb(116, 231, 143)  
}
```

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(116, 231, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 231, 143) }
```

Border

The CSS property to change the border of an element to XYZ 40.7363, 62.8480, 35.9705 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(116, 231, 143) }
```


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

```
.border{ border-color:rgb(116, 231, 143) }
```

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

Here you see how a box with a 4 pixel rgb(116, 231, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 231, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 231, 143);  
box-shadow:4px 4px 4px 4px rgb(116, 231,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7363, 62.8480, 35.9705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 231, 143) }
```

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

```
.background{ background-color: rgb(116,  
231, 143) }
```

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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