

Converting Colors

XYZ(40.7001, 61.0080, 43.0369)

Have a look what the booklet for
XYZ(40.7001, 61.0080, 43.0369)
contains.

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Color

**XYZ(40.6243, 60.9869,
42.8882)**

Conversions

Conversions Part 1

Format	Color
Hex	71E3A0
RGB	113, 227, 160
RGB Percent	44%, 89%, 63%
CMY	0.5569, 0.1098, 0.3725
CMYK	0.50, 0.00, 0.30, 0.11
HSL	145°, 67%, 67%
HSV	145°, 50%, 89%
XYZ	40.6243, 60.9869, 42.8882
YIQ	185.2760, -46.4370, -45.0050

Conversions

Conversions Part 2

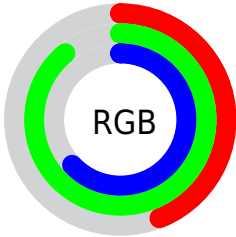
Format	Color
RYB	113, 194, 227
Decimal	7463840
CIELab	82.37, -47.38, 23.00
CIElCh	82, 52.669, 154.108
Yxy	60.9869, 0.2811, 0.4221
Android (android.graphics.Color)	4285653920 (0xFF71E3A0)
YUV	185.2760, -12.4611, -63.3861
Hunter-Lab	78.0941, -43.8096, 22.1046

Details

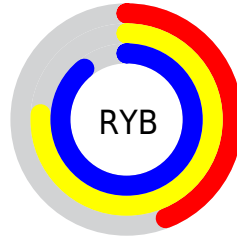
The XYZ color **40.6243, 60.9869, 42.8882** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **45.8239, 31.4378, 46.8353**, and the grayscale version is **46.3548, 48.7689, 53.1093**.

A 20% lighter version of the original color is **64.8203, 85.0842, 77.2965**, and **18.6859, 30.9386, 19.1743** is the 20% darker color. If you saturate the color by 10%, you get **36.9559, 59.2252, 36.9481**, and if you desaturate by 10%, it is **45.1515, 63.1802, 49.5251**.

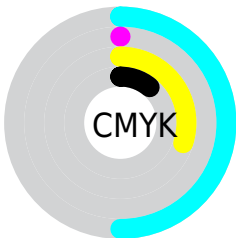
Distribution



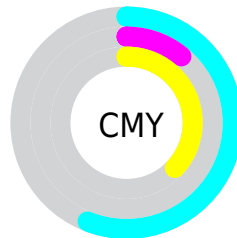
- Red (44%)
- Green (89%)
- Blue (63%)



- Red (44%)
- Yellow (76%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (30%)
- Black (11%)





- Cyan (56%)
- Magenta (11%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6243, 60.9869, 42.8882 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 40.6243, 60.9869, 42.8882 by changing the saturation by 10% instead.


 40.6243, 60.9869,
42.8882


 40.6243, 60.9869,
42.8882


339.8374,
428.2260, 374.0595


 28.2120, 44.2146,
29.4667


 75.3916, 106.2600,
80.8267

 18.6268, 30.8393,
19.1855


 98.4772, 135.5295,
106.1807

 11.5033, 20.4765,
11.6262

 125.8514,
169.7336, 136.3492

 6.4762, 12.7419,
6.3703

157.8795,
209.2566, 171.7509

 3.1802, 7.2510,
2.9991

194.9267,
254.4830, 212.8042

 1.2497, 3.6196,
1.0942

237.3586,

 0.1451, 1.4631,

305.7971, 259.9277

0.0000

285.5403,
363.5833, 313.5400

■ 0.0000, 0.2626,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6243, 60.9869,
42.8882

■ 40.6243, 60.9869,
42.8882

■ 36.9559, 59.2252,
36.9481

■ 45.1515, 63.1802,
49.5251

■ 34.0821, 57.8573,
31.6772

■ 50.5862, 65.8248,
56.8766


■ 31.9368, 56.8515,
27.0522


■ 56.9791, 68.9481,
64.9654


■ 30.4402, 56.1671,
23.0465


■ 64.3755, 72.5729,
73.8115

 29.4721, 55.7411,
19.6986

 72.8178, 76.7209,
83.4344

 82.3461, 81.4122,
93.8527

 86.5026, 83.3174,
104.7804

 86.7602, 83.4204,
106.1367

Harmonies

Analogous

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



46.6775, 60.9869, 27.2243



40.6243, 60.9869, 42.8882



38.9801, 60.9869, 70.9358

Triad

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



40.6243, 60.9869, 42.8882



59.5276, 60.9869, 149.1939



77.7537, 60.9869, 37.4042

Complementary

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



40.6243, 60.9869, 42.8882



45.8239, 31.4378, 46.8353

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.



82.2911, 60.9869, 62.0701



40.6243, 60.9869, 42.8882



70.9424, 60.9869, 131.9242

Square

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



40.6243, 60.9869, 42.8882



49.0362, 60.9869, 139.0532



79.6512, 60.9869, 97.2468



67.9195, 60.9869, 24.8508

Rectangle

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



40.6243, 60.9869, 42.8882



40.4006, 60.9869, 95.0140



79.6512, 60.9869, 97.2468



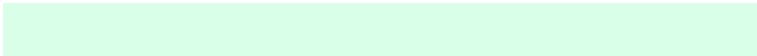
80.0028, 60.9869, 44.2052

Sweetspot

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



40.6259, 60.9894, 42.8896



78.9404, 92.0892, 90.3457



49.6018, 66.0053, 25.7495



16.4650, 19.4995, 18.8190



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.



40.6259, 60.9894, 42.8896



48.0381, 77.0642, 47.9774



46.6241, 63.3887, 74.4755



14.4345, 16.1872, 16.5526



17.2423, 32.5290, 11.7764



1.3194, 2.4219, 1.1087

Inverse Universe

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



45.8239, 31.4378, 46.8353



55.4972, 34.5651, 53.5708



41.2488, 29.6078, 22.7434



14.7306, 14.5094, 16.7815



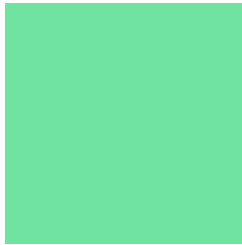
21.0202, 10.5423, 14.2672



1.5993, 0.7974, 1.2962

Previews

White Background



This preview shows how the XYZ color 40.6243, 60.9869, 42.8882 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 40.6243, 60.9869, 42.8882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

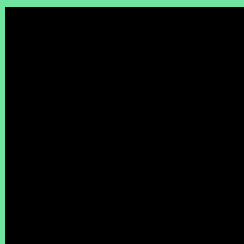
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

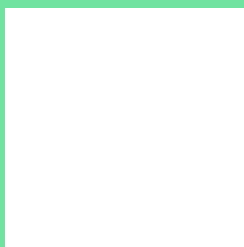
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6243, 60.9869, 42.8882

Background



This preview shows how black text looks on a background with the XYZ color 40.6243, 60.9869, 42.8882.

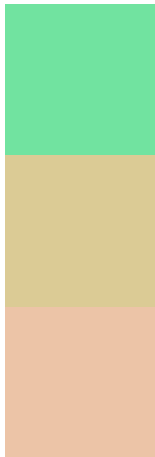


This preview shows how white text looks on a background with the XYZ color 40.6243, 60.9869,

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

40.6243, 60.9869, 42.8882

Protanopia

55.9942, 59.9419, 37.0525

Deuteranopia

61.3071, 60.1027, 44.9290



Tritanopia

49.4811, 60.6104, 87.6883

Trichromacy



Original Color

40.6243, 60.9869, 42.8882



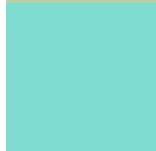
Protanomaly

48.1156, 59.0902, 39.0066



Deuteranomaly

50.4995, 58.3823, 43.7293



Tritanomaly

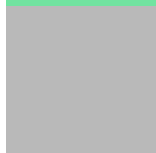
45.8458, 60.7026, 68.9750

Monochromacy



Original Color

40.6243, 60.9869, 42.8882



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

42.7888, 51.8141, 48.8202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6243, 60.9869, 42.8882 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, 227, 160)` looks like.

```
.text, #text, p{  
    color:rgb(113, 227, 160)  
}
```

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, 227, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 227, 160) }
```

Border

The CSS property to change the border of an element to XYZ 40.6243, 60.9869, 42.8882 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, 227, 160) }
```


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

```
.border{ border-color:rgb(113, 227, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 227, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 227, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 227, 160);  
box-shadow:4px 4px 4px 4px rgb(113, 227,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6243, 60.9869, 42.8882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 227, 160) }
```

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

```
.background{ background-color: rgb(113,  
227, 160) }
```

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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