

Converting Colors

XYZ(42.1610, 63.3441, 44.3692)

Have a look what the booklet for
XYZ(42.1610, 63.3441, 44.3692)
contains.

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Color

**XYZ(42.1677, 63.4053,
44.1984)**

Conversions

Conversions Part 1

Format	Color
Hex	73E7A2
RGB	115, 231, 162
RGB Percent	45%, 91%, 64%
CMY	0.5490, 0.0941, 0.3647
CMYK	0.50, 0.00, 0.30, 0.09
HSL	144°, 71%, 68%
HSV	144°, 50%, 91%
XYZ	42.1677, 63.4053, 44.1984
YIQ	188.4500, -46.9870, -46.0510

Conversions

Conversions Part 2

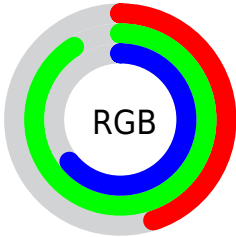
Format	Color
RYB	115, 198, 231
Decimal	7595938
CIELab	83.66, -48.20, 23.73
CIELCh	84, 53.730, 153.786
Yxy	63.4053, 0.2815, 0.4233
Android (android.graphics.Color)	4285786018 (0xFF73E7A2)
YUV	188.4500, -13.0398, -64.4156
Hunter-Lab	79.6274, -44.8211, 22.8294

Details

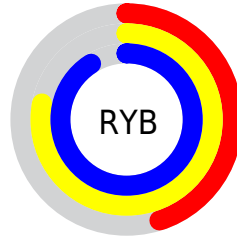
The XYZ color **42.1677, 63.4053, 44.1984** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **47.7395, 32.7124, 49.1475**, and the grayscale version is **48.1484, 50.6558, 55.1642**.

A 20% lighter version of the original color is **65.5180, 85.4140, 78.6790**, and **19.6658, 32.5700, 20.0020** is the 20% darker color. If you saturate the color by 10%, you get **38.3469, 61.5709, 37.9888**, and if you desaturate by 10%, it is **46.8863, 65.6906, 51.1495**.

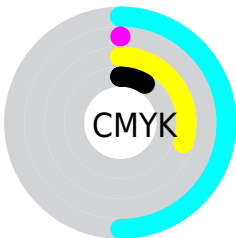
Distribution



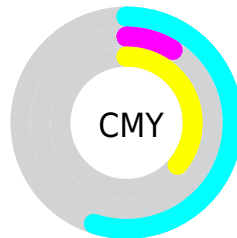
- Red (45%)
- Green (91%)
- Blue (64%)



- Red (45%)
- Yellow (78%)
- Blue (91%)



- Cyan (50%)
- Magenta (0%)
- Yellow (30%)
- Black (9%)





- Cyan (55%)
- Magenta (9%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1677, 63.4053, 44.1984 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 42.1677, 63.4053, 44.1984 by changing the saturation by 10% instead.


 42.1677, 63.4053,
44.1984


 42.1677, 63.4053,
44.1984


346.1575,
437.0389, 379.5823


 29.4243, 46.1692,
30.4882


 77.7169, 109.7540,
82.8219

 19.5479, 32.3793,
19.9542


 101.2535,
139.6354, 108.5722

 12.1732, 21.6514,
12.1780


 129.1185,
174.5007, 139.1729

 6.9348, 13.6010,
6.7410

161.6773,
214.7342, 175.0427

 3.4673, 7.8437,
3.2247

199.2952,
260.7204, 216.5999

 1.4054, 3.9951,
1.2105

242.3377,

 0.2601, 1.6708,

312.8436, 264.2633

0.0000

291.1700,
371.4884, 318.4512

0.0000, 0.4047,
0.0000

0.0000, 0.0000,
0.0000

42.1677, 63.4053,
44.1984

42.1677, 63.4053,
44.1984

38.3469, 61.5709,
37.9888

46.8863, 65.6906,
51.1495

35.3567, 60.1479,
32.4913


52.5539, 68.4475,
58.8618


33.1281, 59.1032,
27.6804


59.2233, 71.7046,
67.3595


31.5772, 58.3940,
23.5275

66.9421, 75.4858,
76.6643

 30.5794, 57.9551,
20.0695

 75.7546, 79.8137,
86.7972

 85.7027, 84.7094,
97.7782

 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.



48.5435, 63.4053, 27.9868



42.1677, 63.4053, 44.1984



40.3988, 63.4053, 73.4031

Triad

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



42.1677, 63.4053, 44.1984



61.7705, 63.4053, 155.9255



81.0821, 63.4053, 38.9214

Complementary

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



42.1677, 63.4053, 44.1984



47.7395, 32.7124, 49.1475

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.



85.7638, 63.4053, 64.8487



42.1677, 63.4053, 44.1984



73.7357, 63.4053, 138.0688

Square

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



42.1677, 63.4053, 44.1984



50.8172, 63.4053, 144.9691



82.9156, 63.4053, 101.7805



70.8164, 63.4053, 25.7091

Rectangle

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



42.1677, 63.4053, 44.1984



41.8493, 63.4053, 98.5925



82.9156, 63.4053, 101.7805



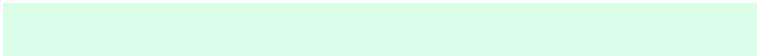
83.4176, 63.4053, 46.0718

Sweetspot

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



42.1694, 63.4079, 44.1998



78.9017, 92.0737, 90.1419



51.5837, 68.6571, 26.7536



16.4557, 19.4958, 18.7702



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.



42.1694, 63.4079, 44.1998



47.9395, 77.0248, 47.4581



48.4870, 65.9350, 77.4682



14.4301, 16.1855, 16.5298



17.2003, 32.5122, 11.5551



1.3161, 2.4206, 1.0911

Inverse Universe

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



47.7395, 32.7124, 49.1475



55.6181, 34.6134, 54.2073



42.8922, 30.7735, 23.6222



14.7350, 14.5112, 16.8049



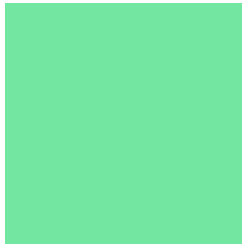
21.0858, 10.5685, 14.6127



1.6039, 0.7993, 1.3207

Previews

White Background



This preview shows how the XYZ color 42.1677, 63.4053, 44.1984 looks on a white background.

Color Contrast Check

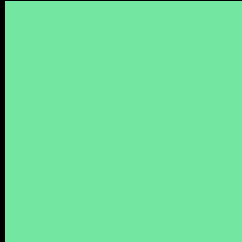
Large Text (above 18pt) WCAG AA × Fail

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 42.1677, 63.4053, 44.1984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

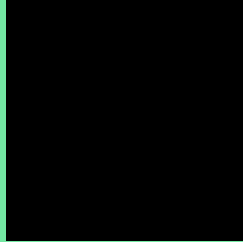
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1677, 63.4053, 44.1984

Background



This preview shows how black text looks on a background with the XYZ color 42.1677, 63.4053, 44.1984.



This preview shows how white text looks on a background with the XYZ color 42.1677, 63.4053,

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

42.1677, 63.4053, 44.1984

Protanopia

58.3302, 62.5480, 38.2768

Deuteranopia

63.5200, 62.2367, 46.2011



Tritanopia

51.4281, 63.0958, 91.1295

Trichromacy



Original Color

42.1677, 63.4053, 44.1984



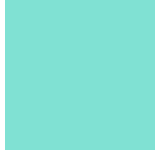
Protanomaly

50.2394, 61.6686, 40.2657



Deuteranomaly

52.6829, 60.9438, 45.0630



Tritanomaly

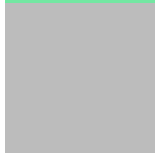
47.5852, 63.1428, 71.3078

Monochromacy



Original Color

42.1677, 63.4053, 44.1984



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.4275, 54.0175, 50.7327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1677, 63.4053, 44.1984 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(115, 231, 162)` looks like.

```
.text, #text, p{  
    color:rgb(115, 231, 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(115, 231, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 231, 162) }
```

Border

The CSS property to change the border of an element to XYZ 42.1677, 63.4053, 44.1984 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(115, 231, 162) }
```


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

```
.border{ border-color:rgb(115, 231, 162) }
```

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

Here you see how a box with a 4 pixel rgb(115, 231, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 231, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 231, 162);  
box-shadow:4px 4px 4px 4px rgb(115, 231,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1677, 63.4053, 44.1984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 231, 162) }
```

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

```
.background{ background-color: rgb(115,  
231, 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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