

Converting Colors

XYZ(43.4410, 63.4504, 43.7902)

Have a look what the booklet for
XYZ(43.4410, 63.4504, 43.7902)
contains.

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Color

**XYZ(43.6319, 63.7560,
43.7247)**

Conversions

Conversions Part 1

Format	Color
Hex	80E6A1
RGB	128, 230, 161
RGB Percent	50%, 90%, 63%
CMY	0.4980, 0.0980, 0.3686
CMYK	0.44, 0.00, 0.30, 0.10
HSL	139°, 67%, 70%
HSV	139°, 44%, 90%
XYZ	43.6319, 63.7560, 43.7247
YIQ	191.6360, -38.6430, -43.0830

Conversions

Conversions Part 2

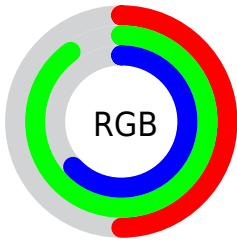
Format	Color
RYB	128, 205, 230
Decimal	8447649
CIELab	83.84, -44.63, 24.58
CIELCh	84, 50.952, 151.156
Yxy	63.7560, 0.2887, 0.4219
Android (android.graphics.Color)	4286637729 (0xFF80E6A1)
YUV	191.6360, -15.1035, -55.8088
Hunter-Lab	79.8474, -42.1931, 23.4257

Details

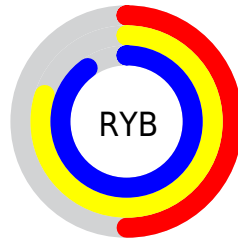
The XYZ color **43.6319, 63.7560, 43.7247** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **50.4324, 36.2939, 57.1730**, and the grayscale version is **49.9934, 52.5969, 57.2781**.

A 20% lighter version of the original color is **68.1623, 86.7922, 78.1258**, and **20.4949, 32.7158, 19.7026** is the 20% darker color. If you saturate the color by 10%, you get **39.2689, 61.6574, 36.7989**, and if you desaturate by 10%, it is **48.9531, 66.3324, 51.5895**.

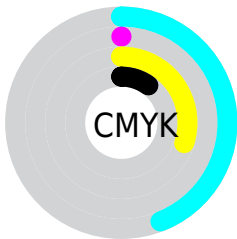
Distribution



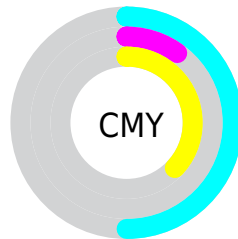
- Red (50%)
- Green (90%)
- Blue (63%)



- Red (50%)
- Yellow (80%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (30%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.6319, 63.7560, 43.7247 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 43.6319, 63.7560, 43.7247 by changing the saturation by 10% instead.


 43.6319, 63.7560,
43.7247


 43.6319, 63.7560,
43.7247


352.0817,
438.3080, 377.5921


 30.5779, 46.4531,
30.1185


 79.9133, 110.2595,
82.1014

 20.4279, 32.6035,
19.6758


 103.8715,
140.2288, 107.7090

 12.8165, 21.8229,
11.9778


 132.1951,
175.1890, 138.1541

 7.3785, 13.7268,
6.6062

165.2494,
215.5246, 173.8554

 3.7483, 7.9309,
3.1424

203.3999,
261.6199, 215.2312

 1.5608, 4.0508,
1.1678

247.0118,

 0.3666, 1.7020,

313.8593, 262.7003

0.0000

296.4507,
372.6272, 316.6811

■ 0.0000, 0.4250,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.6319, 63.7560,
43.7247

■ 43.6319, 63.7560,
43.7247

■ 39.2689, 61.6574,
36.7989

■ 48.9531, 66.3324,
51.5895

■ 35.7992, 59.9985,
30.7723


■ 55.2819, 69.4061,
60.4223

■ 33.1574, 58.7481,
25.6086


■ 62.6705, 73.0051,
70.2564

■ 31.2665, 57.8675,
21.2673


■ 71.1658, 77.1528,
81.1222

 30.0333, 57.3093,
17.7043

 80.8117, 81.8715,
93.0486

 29.5480, 57.0960,
16.0149

 87.4847, 85.0347,
105.8687

 87.5880, 85.0760,
106.4127

Harmonies

Analogous

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



50.1304, 63.7560, 28.9006



43.6319, 63.7560, 43.7247



41.5250, 63.7560, 70.6701

Triad

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



43.6319, 63.7560, 43.7247



61.0333, 63.7560, 151.0902



80.9475, 63.7560, 42.1615

Complementary

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



43.6319, 63.7560, 43.7247



50.4324, 36.2939, 57.1730

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.



84.7663, 63.7560, 68.1837



43.6319, 63.7560, 43.7247



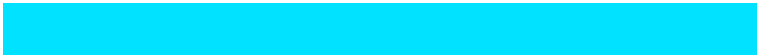
72.4302, 63.7560, 136.6639

Square

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



43.6319, 63.7560, 43.7247



50.7959, 63.7560, 138.6260



81.4752, 63.7560, 103.6078



71.5867, 63.7560, 28.2130

Rectangle

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



43.6319, 63.7560, 43.7247



42.6593, 63.7560, 94.1284



81.4752, 63.7560, 103.6078



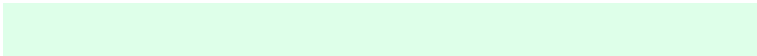
82.9702, 63.7560, 49.4638

Sweetspot

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



43.6336, 63.7586, 43.7261



80.4856, 92.8848, 90.4593



55.4050, 70.1201, 31.0370



16.7498, 19.6483, 18.7399



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.



43.6336, 63.7586, 43.7261



50.1474, 78.1673, 47.3656



48.9964, 65.9037, 71.9662



14.3806, 16.1657, 16.2688



16.7774, 32.3431, 9.3282



1.2811, 2.4066, 0.9070

Inverse Universe

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



50.4324, 36.2939, 57.1730



59.7309, 39.3739, 66.2610



45.5970, 34.3597, 31.7103



14.7864, 14.5317, 17.0753



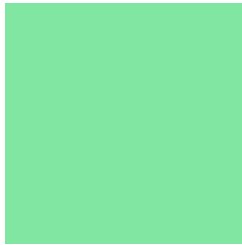
21.9110, 10.8986, 18.9579



1.6612, 0.8222, 1.6226

Previews

White Background



This preview shows how the XYZ color 43.6319, 63.7560, 43.7247 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 43.6319, 63.7560, 43.7247 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 43.6319, 63.7560, 43.7247

Background



This preview shows how black text looks on a background with the XYZ color 43.6319, 63.7560, 43.7247.



This preview shows how white text looks on a background with the XYZ color 43.6319, 63.7560,

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

43.6319, 63.7560, 43.7247

Protanopia

58.5732, 63.0341, 38.3578

Deuteranopia

64.3401, 63.0130, 45.8174



Tritanopia

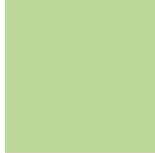
52.8799, 63.4704, 90.3529

Trichromacy



Original Color

43.6319, 63.7560, 43.7247



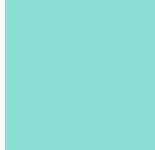
Protanomaly

51.2113, 62.1697, 40.3112



Deuteranomaly

54.1732, 61.7227, 44.6557



Tritanomaly

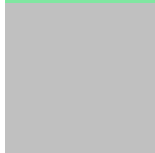
48.9360, 63.4534, 70.6413

Monochromacy



Original Color

43.6319, 63.7560, 43.7247



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.7740, 55.9138, 52.0433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6319, 63.7560, 43.7247 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(128, 230, 161)` looks like.

```
.text, #text, p{  
    color:rgb(128, 230, 161)  
}
```

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(128, 230, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 230, 161) }
```

Border

The CSS property to change the border of an element to XYZ 43.6319, 63.7560, 43.7247 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(128, 230, 161) }
```


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

```
.border{ border-color:rgb(128, 230, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 230, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 230, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 230, 161);  
box-shadow:4px 4px 4px 4px rgb(128, 230,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6319, 63.7560, 43.7247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 230, 161) }
```

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

```
.background{ background-color: rgb(128,  
230, 161) }
```

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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