

Converting Colors

XYZ(43.7694, 63.5821, 45.5170)

Have a look what the booklet for
XYZ(43.7694, 63.5821, 45.5170)
contains.

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Color

**XYZ(43.9904, 63.8994,
45.6126)**

Conversions

Conversions Part 1

Format	Color
Hex	80E6A5
RGB	128, 230, 165
RGB Percent	50%, 90%, 65%
CMY	0.4980, 0.0980, 0.3529
CMYK	0.44, 0.00, 0.28, 0.10
HSL	142°, 67%, 70%
HSV	142°, 44%, 90%
XYZ	43.9904, 63.8994, 45.6126
YIQ	192.0920, -39.9270, -41.8390

Conversions

Conversions Part 2

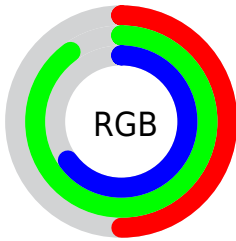
Format	Color
RYB	128, 203, 230
Decimal	8447653
CIELab	83.91, -43.90, 22.62
CIELCh	84, 49.383, 152.743
Yxy	63.8994, 0.2866, 0.4163
Android (android.graphics.Color)	4286637733 (0xFF80E6A5)
YUV	192.0920, -13.3564, -56.2087
Hunter-Lab	79.9371, -41.6591, 22.1247

Details

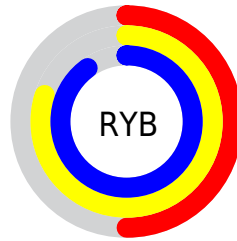
The XYZ color **43.9904, 63.8994, 45.6126** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **49.9800, 36.1129, 54.7906**, and the grayscale version is **50.2502, 52.8672, 57.5724**.

A 20% lighter version of the original color is **68.6859, 87.0016, 80.8830**, and **20.7152, 32.8040, 20.8628** is the 20% darker color. If you saturate the color by 10%, you get **39.6567, 61.8125, 38.8409**, and if you desaturate by 10%, it is **49.2645, 66.4569, 53.2293**.

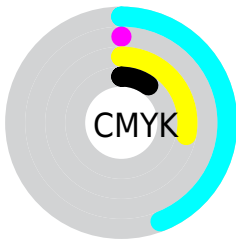
Distribution



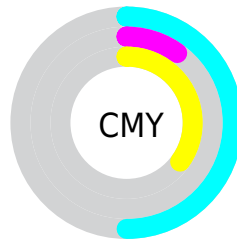
- Red (50%)
- Green (90%)
- Blue (65%)



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



- Cyan (44%)
- Magenta (0%)
- Yellow (28%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.9904, 63.8994, 45.6126 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 43.9904, 63.8994, 45.6126 by changing the saturation by 10% instead.


 43.9904, 63.8994,
45.6126


 43.9904, 63.8994,
45.6126


353.5220,
438.8263, 385.4812


 30.8608, 46.5692,
31.5938


 80.4497, 110.4660,
84.9671

 20.6442, 32.6952,
20.7892

 104.5102,
140.4713, 111.1398

 12.9752, 21.8931,
12.7802


 132.9451,
175.4703, 142.2009

 7.4883, 13.7783,
7.1484

166.1196,
215.8475, 178.5690

 3.8184, 7.9667,
3.4753

204.3992,
261.9873, 220.6625

 1.5999, 4.0736,
1.3421

248.1492,

 0.3923, 1.7148,

314.2741, 268.9000

0.0959

297.7350,
373.0923, 323.7001

■ 0.0000, 0.4332,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.9904, 63.8994,
45.6126

■ 43.9904, 63.8994,
45.6126

■ 39.6567, 61.8125,
38.8409

■ 49.2645, 66.4569,
53.2293

■ 36.1995, 60.1586,
32.8802


■ 55.5274, 69.5043,
61.7147


■ 33.5547, 58.9071,
27.7006


■ 62.8301, 73.0689,
71.0969


■ 31.6465, 58.0195,
23.2686


■ 71.2188, 77.1740,
81.4015

 30.3833, 57.4493,
19.5477

 80.7365, 81.8414,
92.6530

 29.8761, 57.2272,
17.7426

 87.2590, 84.9444,
104.6800

 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.



50.1204, 63.8994, 30.4075



43.9904, 63.8994, 45.6126



42.1646, 63.8994, 72.4790

Triad

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



43.9904, 63.8994, 45.6126



61.7400, 63.8994, 148.0896



80.0568, 63.8994, 41.9706

Complementary

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



43.9904, 63.8994, 45.6126



49.9800, 36.1129, 54.7906

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.



84.0848, 63.8994, 66.7508



43.9904, 63.8994, 45.6126



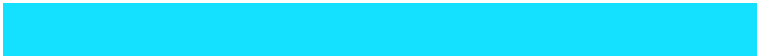
72.7503, 63.8994, 133.0135

Square

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



43.9904, 63.8994, 45.6126



51.6597, 63.8994, 137.4739



81.2650, 63.8994, 100.7340



70.8142, 63.8994, 28.7878

Rectangle

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



43.9904, 63.8994, 45.6126



43.4320, 63.8994, 95.3667



81.2650, 63.8994, 100.7340



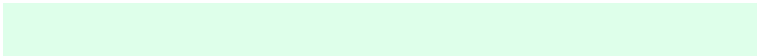
82.1123, 63.8994, 48.9119

Sweetspot

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



43.9921, 63.9020, 45.6140



80.6716, 92.9592, 91.4387



54.5205, 69.6641, 30.9957



16.7954, 19.6665, 18.9800



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.



43.9921, 63.9020, 45.6140



50.6346, 78.3622, 49.9310



49.4281, 66.0764, 74.2396



14.4043, 16.1751, 16.3938



16.9669, 32.4189, 10.3262



1.2971, 2.4130, 0.9913

Inverse Universe

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



49.9800, 36.1129, 54.7906



59.0761, 39.1119, 62.8127



45.3347, 34.2548, 30.3292



14.7616, 14.5218, 16.9451



21.4981, 10.7335, 16.7840



1.6328, 0.8108, 1.4729

Previews

White Background



This preview shows how the XYZ color 43.9904, 63.8994, 45.6126 looks on a white background.

Color Contrast Check

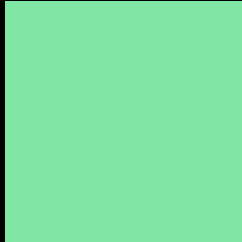
Large Text (above 18pt) WCAG AA × Fail

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 43.9904, 63.8994, 45.6126 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

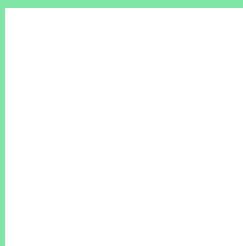
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.9904, 63.8994, 45.6126

Background



This preview shows how black text looks on a background with the XYZ color 43.9904, 63.8994, 45.6126.



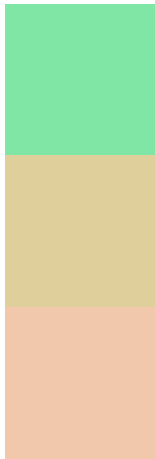
This preview shows how white text looks on a background with the XYZ color 43.9904, 63.8994,

45.6126.

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

43.9904, 63.8994, 45.6126

Protanopia

58.9037, 63.1663, 40.0981

Deuteranopia

64.3763, 62.9879, 47.7946



Tritanopia

52.9661, 63.9057, 90.4323

Trichromacy



Original Color

43.9904, 63.8994, 45.6126



Protanomaly

51.5529, 62.3063, 42.1101



Deuteranomaly

54.2751, 61.7325, 46.5911



Tritanomaly

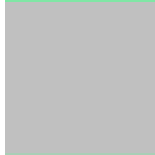
49.0610, 63.5034, 71.2996

Monochromacy



Original Color

43.9904, 63.8994, 45.6126



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.8770, 55.9550, 52.5857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.9904, 63.8994, 45.6126 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(128, 230, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 230, 165) }
```

Border

The CSS property to change the border of an element to XYZ 43.9904, 63.8994, 45.6126 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, 165) }
```


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

```
.border{ border-color:rgb(128, 230, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 230, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 230, 165);  
box-shadow:4px 4px 4px 4px rgb(128, 230,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 43.9904, 63.8994, 45.6126 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, 165) }
```

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

```
.background{ background-color: rgb(128,  
230, 165) }
```

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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