

Converting Colors

XYZ(45.7246, 64.8146, 44.7536)

Have a look what the booklet for
XYZ(45.7246, 64.8146, 44.7536)
contains.

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Color

**XYZ(45.7229, 64.8134,
44.7507)**

Conversions

Conversions Part 1

Format	Color
Hex	8CE6A3
RGB	140, 230, 163
RGB Percent	55%, 90%, 64%
CMY	0.4510, 0.0980, 0.3608
CMYK	0.39, 0.00, 0.29, 0.10
HSL	135°, 64%, 73%
HSV	135°, 39%, 90%
XYZ	45.7229, 64.8134, 44.7507
YIQ	195.4520, -32.1330, -39.9170

Conversions

Conversions Part 2

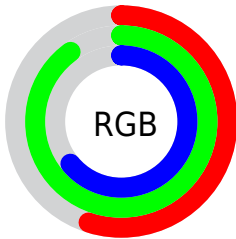
Format	Color
RYB	140, 212, 230
Decimal	9234083
CIELab	84.39, -40.93, 24.38
CIELCh	84, 47.643, 149.218
Yxy	64.8134, 0.2944, 0.4174
Android (android.graphics.Color)	4287424163 (0xFF8CE6A3)
YUV	195.4520, -15.9988, -48.6314
Hunter-Lab	80.5068, -39.5098, 23.3976

Details

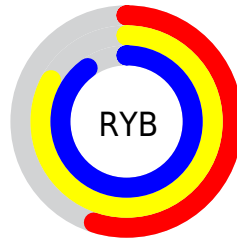
The XYZ color **45.7229, 64.8134, 44.7507** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **53.2758, 40.0856, 63.9634**, and the grayscale version is **52.2491, 54.9701, 59.8625**.

A 20% lighter version of the original color is **71.4408, 88.4523, 79.6373**, and **21.7516, 33.3511, 20.3299** is the 20% darker color. If you saturate the color by 10%, you get **40.8133, 62.4496, 37.0479**, and if you desaturate by 10%, it is **51.6537, 67.6832, 53.5884**.

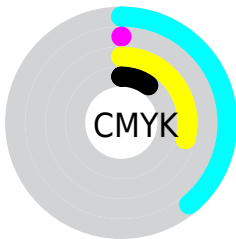
Distribution



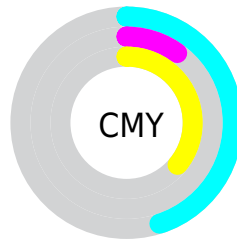
- Red (55%)
- Green (90%)
- Blue (64%)



- Red (55%)
- Yellow (83%)
- Blue (90%)



- Cyan (39%)
- Magenta (0%)
- Yellow (29%)
- Black (10%)





- Cyan (45%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7229, 64.8134, 44.7507 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 45.7229, 64.8134, 44.7507 by changing the saturation by 10% instead.


 45.7229, 64.8134,
44.7507


 45.7229, 64.8134,
44.7507


360.4281,
442.1211, 381.8936

 32.2309, 47.3098,
30.9196


 83.0345, 111.7815,
83.6607

 21.6943, 33.2806,
20.2797


 107.5849,
142.0149, 109.5766

 13.7478, 22.3415,
12.4124


136.5521,
177.2602, 140.3579

 8.0260, 14.1080,
6.8993

170.3015,
217.9020, 176.4231

 4.1635, 8.1959,
3.3217

209.1985,
264.3245, 218.1907

 1.7951, 4.2205,
1.2611

253.6083,

 0.5147, 1.7977,

316.9123, 266.0793

0.0296

303.8964,
376.0497, 320.5074

■ 0.0000, 0.4857,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.7229, 64.8134,
44.7507

■ 45.7229, 64.8134,
44.7507

■ 40.8133, 62.4496,
37.0479

■ 51.6537, 67.6832,
53.5884

■ 36.8605, 60.5543,
30.4297

■ 58.6548, 71.0781,
63.6001

■ 33.8009, 59.0974,
24.8481

■ 66.7783, 75.0258,
74.8282

■ 31.5604, 58.0418,
20.2502

■ 76.0714, 79.5499,
87.3119

■ 30.0523, 57.3441,
16.5780

■ 86.5769, 84.6716,
101.0884

■ 29.1457, 56.9380,
13.7660

■ 87.5880, 85.0761,
106.4127

■ 29.0817, 56.9095,
13.5595

Harmonies

Analogous

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



52.1946, 64.8134, 30.9495



45.7229, 64.8134, 44.7507



43.4145, 64.8134, 69.7786

Triad

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



45.7229, 64.8134, 44.7507



61.3260, 64.8134, 146.3516



81.1239, 64.8134, 45.7750

Complementary

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



45.7229, 64.8134, 44.7507



53.2758, 40.0856, 63.9634

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.



84.2720, 64.8134, 71.3689



45.7229, 64.8134, 44.7507



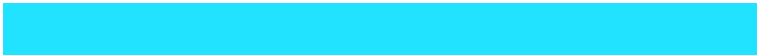
72.0794, 64.8134, 134.6301

Square

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



45.7229, 64.8134, 44.7507



51.7652, 64.8134, 133.4107



80.7908, 64.8134, 104.7936



72.6147, 64.8134, 31.4108

Rectangle

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



45.7229, 64.8134, 44.7507



44.3172, 64.8134, 91.5440



80.7908, 64.8134, 104.7936



82.8846, 64.8134, 53.0737

Sweetspot

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



45.7246, 64.8161, 44.7522



81.2214, 93.2700, 90.2299



58.9049, 71.8276, 35.5711



17.0904, 19.8205, 18.9078



0.0000, 0.0000, 0.0000



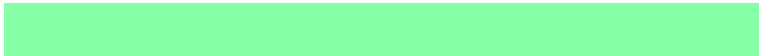
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.7246, 64.8161, 44.7522



52.6384, 79.4284, 48.5266



50.4377, 66.7013, 69.5712



14.3397, 16.1493, 16.0536



16.5057, 32.2344, 7.8972



1.2567, 2.3968, 0.7783

Inverse Universe

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



53.2758, 40.0856, 63.9634



63.4300, 44.0319, 75.9417



48.5792, 38.2069, 39.2313



14.8295, 14.5490, 17.3027



22.7007, 11.2145, 23.1164



1.7146, 0.8435, 1.9034

Previews

White Background



This preview shows how the XYZ color 45.7229, 64.8134, 44.7507 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 45.7229, 64.8134, 44.7507 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 45.7229, 64.8134, 44.7507

Background



This preview shows how black text looks on a background with the XYZ color 45.7229, 64.8134, 44.7507.



This preview shows how white text looks on a background with the XYZ color 45.7229, 64.8134,

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
45.7229, 64.8134, 44.7507
Protanopia
59.6845, 63.9416, 39.7681
Deuteranopia
65.0102, 63.6925, 46.4036



Tritanopia

54.7361, 64.4274, 90.4397

Trichromacy



Original Color

45.7229, 64.8134, 44.7507



Protanomaly

53.1468, 63.5294, 41.3595



Deuteranomaly

55.9721, 62.9988, 45.7692



Tritanomaly

50.9912, 64.4985, 71.3899

Monochromacy



Original Color

45.7229, 64.8134, 44.7507



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

48.7823, 57.6446, 53.3552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7229, 64.8134, 44.7507 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(140, 230, 163)` looks like.

```
.text, #text, p{  
    color:rgb(140, 230, 163)  
}
```

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(140, 230, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 230, 163) }
```

Border

The CSS property to change the border of an element to XYZ 45.7229, 64.8134, 44.7507 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(140, 230, 163) }
```


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

```
.border{ border-color:rgb(140, 230, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 230, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 230, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 230, 163);  
box-shadow:4px 4px 4px 4px rgb(140, 230,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7229, 64.8134, 44.7507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 230, 163) }
```

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

```
.background{ background-color: rgb(140,  
230, 163) }
```

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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