

Converting Colors

XYZ(49.6437, 67.5820, 87.3508)

Have a look what the booklet for
XYZ(49.6437, 67.5820, 87.3508)
contains.

XYZ(49.7243, 67.6124, 87.5205)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.7243, 67.6124,
87.5205)**

Conversions

Conversions Part 1

Format	Color
Hex	67EAE9
RGB	103, 234, 233
RGB Percent	40%, 92%, 91%
CMY	0.5961, 0.0823, 0.0863
CMYK	0.56, 0.00, 0.00, 0.08
HSL	180°, 76%, 66%
HSV	180°, 56%, 92%
XYZ	49.7243, 67.6124, 87.5205
YIQ	194.7170, -77.7550, -28.0830

Conversions

Conversions Part 2

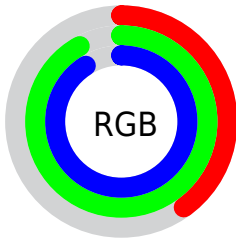
Format	Color
RYB	103, 169, 234
Decimal	6810345
CIELab	85.81, -35.96, -10.42
CIElCh	86, 37.441, 196.157
Yxy	67.6124, 0.2427, 0.3300
Android (android.graphics.Color)	4285000425 (0xFF67EAE9)
YUV	194.7170, 18.8735, -80.4358
Hunter-Lab	82.2268, -35.9540, -5.5483

Details

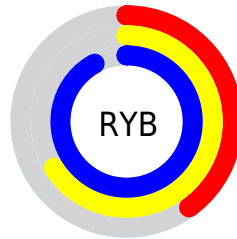
The XYZ color **49.7243, 67.6124, 87.5205** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **41.2829, 28.1944, 16.3652**, and the grayscale version is **51.6298, 54.3186, 59.1529**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **24.1655, 35.1745, 47.1107** is the 20% darker color. If you saturate the color by 10%, you get **47.3816, 66.4092, 87.2789**, and if you desaturate by 10%, it is **52.8220, 69.2079, 87.8006**.

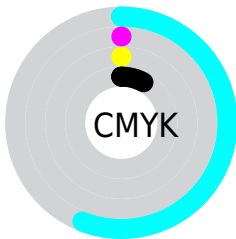
Distribution



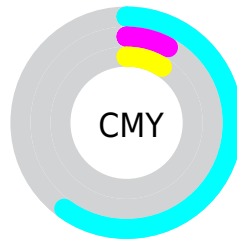
- Red (40%)
- Green (92%)
- Blue (91%)



- Red (40%)
- Yellow (66%)
- Blue (92%)



- Cyan (56%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (60%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7243, 67.6124, 87.5205 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 49.7243, 67.6124, 87.5205 by changing the saturation by 10% instead.

49.7243, 67.6124,
87.5205

49.7243, 67.6124,
87.5205

376.0566,
452.1215, 540.2923

35.4113, 49.5825,
65.3640

88.9605, 115.7975,
145.7947

24.1479, 35.0818,
47.3030

114.6144,
146.7214, 182.7494

15.5687, 23.7259,
32.9192

144.7794,
182.7122, 225.4739

9.3084, 15.1304,
21.7940

179.8207,
224.1541, 274.3867

5.0016, 8.9109,
13.5087

220.1037,
271.4316, 329.9064

2.2830, 4.6831,
7.6449

265.9938,

0.7859, 2.0626,

324.9290, 392.4516

3.7841

317.8563,
385.0309, 462.4407

■ 0.0000, 0.6435,
1.5077

■ 0.0000, 0.0000,
0.2236

■ 49.7243, 67.6124,
87.5205

■ 49.7243, 67.6124,
87.5205

■ 47.3816, 66.4092,
87.2789

■ 52.8220, 69.2079,
87.8006

■ 45.7234, 65.5573,
87.0680


■ 56.7255, 71.2173,
88.1170


■ 44.6764, 65.0205,
86.8858


■ 61.4884, 73.6697,
88.4737


■ 44.1477, 64.7509,
86.7280

■ 67.1580, 76.5895,
88.8730


 44.0197, 64.6861,
86.6686

 73.7780, 79.9993,
89.3170

 81.3893, 83.9201,
89.8075

 85.5518, 86.0629,
90.1367

 85.5776, 86.0733,
90.2724

 85.6034, 86.0836,
90.4083

Harmonies

Analogous

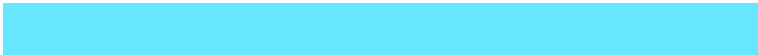
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.5795, 67.6124, 62.9133



49.7243, 67.6124, 87.5205



53.5303, 67.6124, 113.0883

Triad

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



49.7243, 67.6124, 87.5205



76.8717, 67.6124, 111.3063



68.2798, 67.6124, 36.6984

Complementary

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



49.7243, 67.6124, 87.5205



41.2829, 28.1944, 16.3652

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.



76.3435, 67.6124, 44.6017



49.7243, 67.6124, 87.5205



81.5936, 67.6124, 85.4738

Square

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



49.7243, 67.6124, 87.5205



68.9502, 67.6124, 128.7666



81.3921, 67.6124, 61.2724



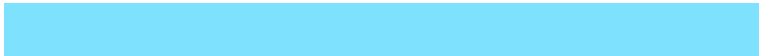
59.7942, 67.6124, 37.0090

Rectangle

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



49.7243, 67.6124, 87.5205



57.8414, 67.6124, 125.6571



81.3921, 67.6124, 61.2724



71.1443, 67.6124, 38.3911

Sweetspot

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



49.7263, 67.6150, 87.5221



80.8072, 92.6637, 107.9550



37.7204, 62.8419, 22.9752



16.9843, 19.6733, 23.0852



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.



49.7263, 67.6150, 87.5221



57.2698, 80.5478, 106.0371



34.9502, 37.8329, 83.3051



15.5124, 17.1198, 19.3814



24.7382, 36.3497, 48.7136



1.9442, 2.8550, 3.8337

Inverse Universe

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



41.2829, 28.1944, 16.3652



46.0799, 28.2871, 11.7211



50.0762, 45.8620, 19.0466



15.0702, 15.0559, 15.6549



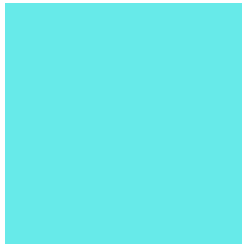
19.0754, 9.8328, 0.9323



1.4995, 0.7728, 0.0819

Previews

White Background



This preview shows how the XYZ color 49.7243, 67.6124, 87.5205 looks on a white background.

Color Contrast Check

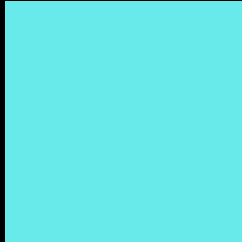
Large Text (above 18pt) WCAG AA × Fail

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 49.7243, 67.6124, 87.5205 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

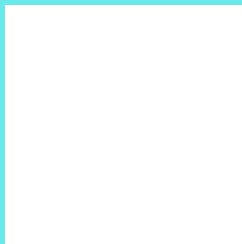
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7243, 67.6124, 87.5205

Background



This preview shows how black text looks on a background with the XYZ color 49.7243, 67.6124, 87.5205.

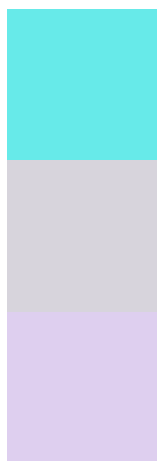


This preview shows how white text looks on a background with the XYZ color 49.7243, 67.6124,

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

49.7243, 67.6124, 87.5205

Protanopia

64.4861, 66.7013, 77.1860

Deuteranopia

68.0170, 66.3872, 90.8905



Tritanopia

52.2616, 67.3690, 100.6915

Trichromacy



Original Color

49.7243, 67.6124, 87.5205



Protanomaly

56.6394, 65.6213, 80.9151



Deuteranomaly

58.6893, 65.3238, 89.6363



Tritanomaly

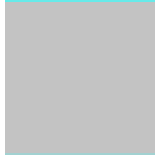
51.2492, 67.3707, 95.8907

Monochromacy



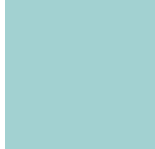
Original Color

49.7243, 67.6124, 87.5205



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.2094, 57.8858, 68.9011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7243, 67.6124, 87.5205 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(103, 234, 233)` looks like.

```
.text, #text, p{  
    color:rgb(103, 234, 233)  
}
```

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(103, 234, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 234, 233) }
```

Border

The CSS property to change the border of an element to XYZ 49.7243, 67.6124, 87.5205 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(103, 234, 233) }
```


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

```
.border{ border-color:rgb(103, 234, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 234, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 234, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 234, 233);  
box-shadow:4px 4px 4px 4px rgb(103, 234,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7243, 67.6124, 87.5205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 234, 233) }
```

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

```
.background{ background-color: rgb(103,  
234, 233) }
```

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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