

Converting Colors

XYZ(33.7347, 44.0619, 42.0909)

Have a look what the booklet for
XYZ(33.7347, 44.0619, 42.0909)
contains.

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Color

**XYZ(33.6624, 43.9035,
42.2973)**

Conversions

Conversions Part 1

Format	Color
Hex	7DBEA5
RGB	125, 190, 165
RGB Percent	49%, 75%, 65%
CMY	0.5098, 0.2549, 0.3529
CMYK	0.34, 0.00, 0.13, 0.25
HSL	157°, 33%, 62%
HSV	157°, 34%, 75%
XYZ	33.6624, 43.9035, 42.2973
YIQ	167.7150, -30.7150, -21.5550

Conversions

Conversions Part 2

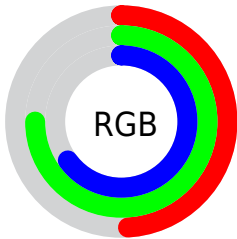
Format	Color
RYB	125, 165, 190
Decimal	8240805
CIELab	72.16, -26.26, 6.08
CIElCh	72, 26.953, 166.972
Yxy	43.9035, 0.2808, 0.3663
Android (android.graphics.Color)	4286430885 (0xFF7DBEA5)
YUV	167.7150, -1.3385, -37.4611
Hunter-Lab	66.2597, -25.2699, 8.5337

Details

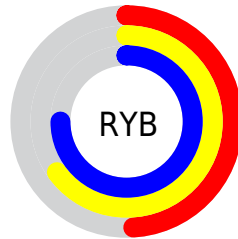
The XYZ color **33.6624, 43.9035, 42.2973** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.0753, 27.8174, 32.4292**, and the grayscale version is **37.0978, 39.0298, 42.5034**.

A 20% lighter version of the original color is **65.0014, 81.3921, 79.9945**, and **14.5324, 20.2170, 18.7591** is the 20% darker color. If you saturate the color by 10%, you get **30.5034, 42.3508, 38.7763**, and if you desaturate by 10%, it is **37.3924, 45.7485, 46.0454**.

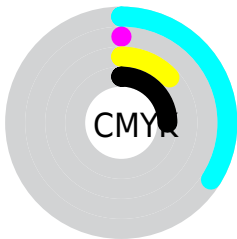
Distribution



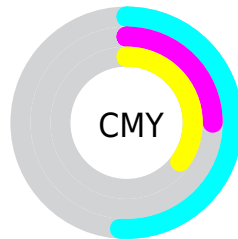
- Red (49%)
- Green (75%)
- Blue (65%)



- Red (49%)
- Yellow (65%)
- Blue (75%)



- Cyan (34%)
- Magenta (0%)
- Yellow (13%)
- Black (25%)





- Cyan (51%)
- Magenta (25%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6624, 43.9035, 42.2973 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 33.6624, 43.9035, 42.2973 by changing the saturation by 10% instead.


 33.6624, 43.9035,
42.2973


 33.6624, 43.9035,
42.2973


310.2365,
362.3143, 371.5498


 22.7960, 30.5947,
29.0068


 64.7561, 81.0725,
79.9243

 14.5628, 20.2904,
18.8404


 85.7142, 105.7015,
105.0980

 8.5975, 12.6063,
11.3794

 110.7668,
134.8726, 135.0698

 4.5346, 7.1580,
6.2052

140.2794,
168.9703, 170.2582

 2.0088, 3.5611,
2.8995

174.6173,
208.3789, 211.0820

 0.6389, 1.4312,
1.0435

214.1459,

 0.0000, 0.2396,

253.4828, 257.9594

0.0000

259.2306,
304.6665, 311.3092

■ 0.0000, 0.0000,
0.0000

■ 33.6624, 43.9035,
42.2973

■ 33.6624, 43.9035,
42.2973

■ 30.5034, 42.3508,
38.7763

■ 37.3924, 45.7485,
46.0454

■ 27.8809, 41.0692,
35.4746

■ 41.7184, 47.8951,
50.0221

■ 25.7619, 40.0430,
32.3883

■ 46.6681, 50.3587,
54.2329

■ 24.1084, 39.2525,
29.5121

■ 52.2665, 53.1521,
58.6818

■ 22.8763, 38.6752,
26.8405

■ 58.5371, 56.2874,
63.3730

■ 22.0128, 38.2839,
24.3673

■ 65.5024, 59.7760,
68.3106

■ 21.6205, 38.1110,
23.0219

■ 72.0696, 63.0546,
73.4461

■ 73.0367, 63.4415,
78.5391

■ 74.0464, 63.8454,
83.8562

Harmonies

Analogous

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



35.5689, 43.9035, 32.4667



33.6624, 43.9035, 42.2973



33.7997, 43.9035, 55.6173

Triad

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



33.6624, 43.9035, 42.2973



44.3749, 43.9035, 76.4829



48.0856, 43.9035, 31.5197

Complementary

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



33.6624, 43.9035, 42.2973



34.0753, 27.8174, 32.4292

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.



50.8104, 43.9035, 40.7580



33.6624, 43.9035, 42.2973



48.5622, 43.9035, 67.3390

Square

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



33.6624, 43.9035, 42.2973



39.7593, 43.9035, 77.1043



50.9910, 43.9035, 53.7678



43.7627, 43.9035, 27.0623

Rectangle

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



33.6624, 43.9035, 42.2973



35.0296, 43.9035, 64.7862



50.9910, 43.9035, 53.7678



49.2322, 43.9035, 34.0827

Sweetspot

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



33.6636, 43.9053, 42.2983



79.0893, 88.5261, 93.6814



34.8790, 44.8888, 26.2287



17.0930, 19.3031, 20.3353



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



33.6636, 43.9053, 42.2983



56.6380, 77.4119, 71.8525



34.7899, 42.1530, 55.0201



9.6488, 10.7456, 11.4001



14.4151, 25.3563, 15.5144



0.5957, 1.0056, 0.7712

Inverse Universe

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



34.0753, 27.8174, 32.4292



57.5015, 43.8765, 51.3063



33.1218, 28.7961, 23.2151



9.6780, 9.5955, 10.6932



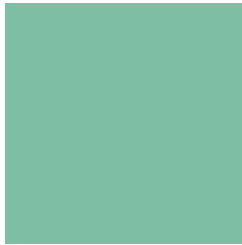
14.9575, 7.6141, 5.0696



0.6181, 0.3111, 0.3680

Previews

White Background



This preview shows how the XYZ color 33.6624, 43.9035, 42.2973 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 33.6624, 43.9035, 42.2973 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

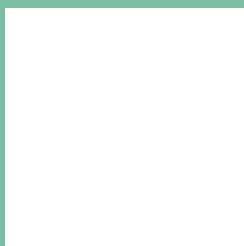
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6624, 43.9035, 42.2973

Background



This preview shows how black text looks on a background with the XYZ color 33.6624, 43.9035, 42.2973.



This preview shows how white text looks on a background with the XYZ color 33.6624, 43.9035,

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

33.6624, 43.9035, 42.2973

Protanopia

41.3783, 43.6753, 38.1476

Deuteranopia

44.3011, 43.3498, 43.5685



Tritanopia

37.4472, 43.8546, 61.1347

Trichromacy



Original Color

33.6624, 43.9035, 42.2973

Protanomaly

37.9733, 43.3723, 39.6280

Deuteranomaly

39.3676, 42.8175, 43.2355

Tritanomaly

35.9459, 43.8743, 53.5878

Monochromacy



Original Color

33.6624, 43.9035, 42.2973

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.4493, 40.5161, 42.5112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6624, 43.9035, 42.2973 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(125, 190, 165)` looks like.

```
.text, #text, p{  
    color:rgb(125, 190, 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(125, 190, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 190, 165) }
```

Border

The CSS property to change the border of an element to XYZ 33.6624, 43.9035, 42.2973 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(125, 190, 165) }
```


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

```
.border{ border-color:rgb(125, 190, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 190, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 190, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 190, 165);  
box-shadow:4px 4px 4px 4px rgb(125, 190,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6624, 43.9035, 42.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 190, 165) }
```

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

```
.background{ background-color: rgb(125,  
190, 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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