

Converting Colors

XYZ(35.9391, 42.8194, 45.0577)

Have a look what the booklet for
XYZ(35.9391, 42.8194, 45.0577)
contains.

XYZ(35.9612, 42.8270, 44.8992)	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(35.9612, 42.8270,
44.8992)**

Conversions

Conversions Part 1

Format	Color
Hex	91B7AB
RGB	145, 183, 171
RGB Percent	57%, 72%, 67%
CMY	0.4314, 0.2823, 0.3294
CMYK	0.21, 0.00, 0.07, 0.28
HSL	161°, 21%, 64%
HSV	161°, 21%, 72%
XYZ	35.9612, 42.8270, 44.8992
YIQ	170.2700, -18.7960, -11.7880

Conversions

Conversions Part 2

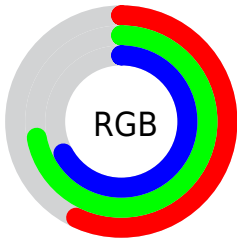
Format	Color
R_{YB}	145, 168, 183
Decimal	9549739
CIE _{Lab}	71.44, -15.25, 1.89
CIE _{LCh}	71, 15.369, 172.935
Yxy	42.8270, 0.2907, 0.3463
Android (android.graphics.Color)	4287739819 (0xFF91B7AB)
YUV	170.2700, 0.3599, -22.1618
Hunter-Lab	65.4423, -16.4366, 5.1315

Details

The XYZ color **35.9612, 42.8270, 44.8992** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.7411, 32.7534, 36.3383**, and the grayscale version is **38.3491, 40.3462, 43.9370**.

A 20% lighter version of the original color is **68.1472, 79.3661, 83.6790**, and **15.9285, 19.6769, 20.4113** is the 20% darker color. If you saturate the color by 10%, you get **32.4539, 41.0824, 41.9223**, and if you desaturate by 10%, it is **40.0144, 44.8526, 48.0292**.

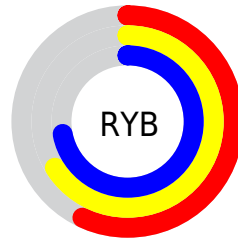
Distribution



Red (57%)

Green (72%)

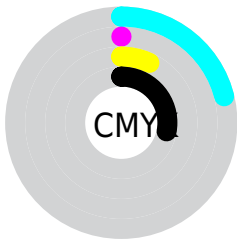
Blue (67%)



Red (57%)

Yellow (66%)

Blue (72%)

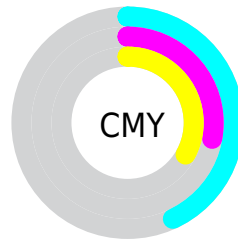


Cyan (21%)

Magenta (0%)

Yellow (7%)

Black (28%)



Cyan (43%)


Magenta (28%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9612, 42.8270, 44.8992 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 35.9612, 42.8270, 44.8992 by changing the saturation by 10% instead.


 35.9612, 42.8270,
44.8992


 35.9612, 42.8270,
44.8992


320.2251,
357.8998, 382.5134

 24.5742, 29.7494,
31.0357


 68.2964, 79.4497,
83.8860

 15.8871, 19.6485,
20.3673


 89.9754, 103.7637,
109.8463

 9.5347, 12.1398,
12.4756

115.8157,
132.5918, 140.6760

 5.1514, 6.8389,
6.9420

146.1827,
166.3186, 176.7935

 2.3720, 3.3616,
3.3480

181.4418,
205.3284, 218.6175

 0.8312, 1.3233,
1.2749

221.9584,

 0.0000, 0.1591,

250.0056, 266.5664

0.0411

268.0977,
300.7346, 321.0589

■ 0.0000, 0.0000,
0.0000

■ 35.9612, 42.8270,
44.8992

■ 35.9612, 42.8270,
44.8992

■ 32.4539, 41.0824,
41.9223

■ 40.0144, 44.8526,
48.0292

■ 29.4639, 39.6005,
39.0930

■ 44.6335, 47.1659,
51.3121

■ 26.9651, 38.3691,
36.4092

■ 49.8416, 49.7801,
54.7515

■ 24.9278, 37.3730,
33.8679

■ 55.6597, 52.7058,
58.3498

■ 23.3190, 36.5951,
31.4659

■ 62.1075, 55.9532,
62.1094

■ 22.1011, 36.0161,
29.1998

■ 69.2039, 59.5321,
66.0327

■ 21.2294, 35.6131,
27.0656

■ 69.9900, 59.8549,
69.7954

■ 20.6491, 35.3545,
25.2066

■ 70.7300, 60.1509,
73.6921

■ 71.4963, 60.4574,
77.7275

Harmonies

Analogous

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



36.8601, 42.8270, 38.5530



35.9612, 42.8270, 44.8992



36.2898, 42.8270, 52.4126

Triad

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



35.9612, 42.8270, 44.8992



42.6773, 42.8270, 61.0370



43.7815, 42.8270, 36.1520

Complementary

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



35.9612, 42.8270, 44.8992



35.7411, 32.7534, 36.3383

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.



45.4662, 42.8270, 41.2916



35.9612, 42.8270, 44.8992



44.8100, 42.8270, 55.7659

Square

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



35.9612, 42.8270, 44.8992



40.0964, 42.8270, 62.2646



45.8503, 42.8270, 48.4074



41.3213, 42.8270, 33.8618

Rectangle

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



35.9612, 42.8270, 44.8992



37.1678, 42.8270, 57.0360



45.8503, 42.8270, 48.4074



44.4614, 42.8270, 37.5758

Sweetspot

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



35.9624, 42.8288, 44.9002



75.3936, 82.1943, 88.7248



35.9568, 43.0846, 33.2097



16.5348, 18.0954, 19.5127



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



35.9624, 42.8288, 44.9002



61.3668, 75.1882, 77.9001



35.7575, 40.5040, 50.7353



9.1427, 10.1610, 10.9087



14.4366, 24.6756, 17.7530



0.5356, 0.8806, 0.7664

Inverse Universe

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



35.7411, 32.7534, 36.3383



60.8990, 53.8288, 59.7561



35.8634, 34.5584, 31.5688



9.1183, 9.0577, 9.9706



14.1805, 7.2459, 3.5711



0.5288, 0.2670, 0.2781

Previews

White Background



This preview shows how the XYZ color 35.9612, 42.8270, 44.8992 looks on a white background.

Color Contrast Check

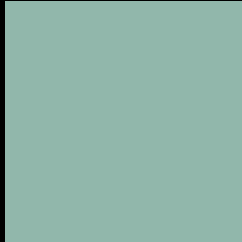
Large Text (above 18pt) WCAG AA × Fail

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 35.9612, 42.8270, 44.8992 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

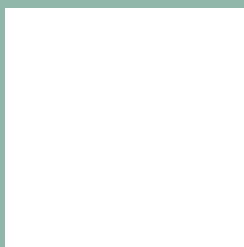
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9612, 42.8270, 44.8992

Background



This preview shows how black text looks on a background with the XYZ color 35.9612, 42.8270, 44.8992.

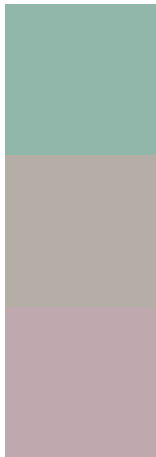


This preview shows how white text looks on a background with the XYZ color 35.9612, 42.8270,

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

35.9612, 42.8270, 44.8992

Protanopia

40.8414, 42.7286, 42.1713

Deuteranopia

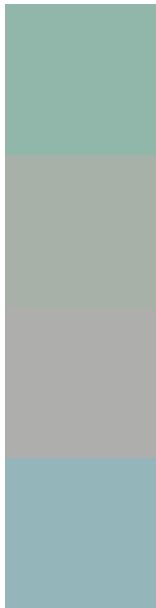
43.3138, 42.5083, 45.9664



Tritanopia

38.4533, 42.9271, 57.2980

Trichromacy



Original Color

35.9612, 42.8270, 44.8992

Protanomaly

38.7264, 42.4869, 43.2055

Deuteranomaly

40.1344, 42.2879, 45.5822

Tritanomaly

37.5995, 42.8888, 52.7510

Monochromacy



Original Color

35.9612, 42.8270, 44.8992

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.2836, 41.1393, 44.0058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9612, 42.8270, 44.8992 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(145, 183, 171)` looks like.

```
.text, #text, p{  
    color:rgb(145, 183, 171)  
}
```

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(145, 183, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 183, 171) }
```

Border

The CSS property to change the border of an element to XYZ 35.9612, 42.8270, 44.8992 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(145, 183, 171) }
```


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

```
.border{ border-color:rgb(145, 183, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 183, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 183, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 183, 171);  
box-shadow:4px 4px 4px 4px rgb(145, 183,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9612, 42.8270, 44.8992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 183, 171) }
```

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

```
.background{ background-color: rgb(145,  
183, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor