

Converting Colors

XYZ(37.6987, 44.9650, 45.2202)

Have a look what the booklet for
XYZ(37.6987, 44.9650, 45.2202)
contains.

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Color

**XYZ(37.6987, 44.9650,
45.2202)**

Conversions

Conversions Part 1

Format	Color
Hex	96BBAB
RGB	150, 187, 171
RGB Percent	59%, 73%, 67%
CMY	0.4118, 0.2667, 0.3294
CMYK	0.20, 0.00, 0.09, 0.27
HSL	154°, 21%, 66%
HSV	154°, 20%, 73%
XYZ	37.6987, 44.9650, 45.2202
YIQ	174.1130, -16.9160, -12.8200

Conversions

Conversions Part 2

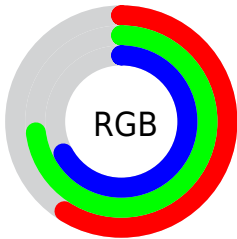
Format	Color
RYB	150, 174, 187
Decimal	9878443
CIELab	72.87, -15.69, 4.00
CIELCh	73, 16.192, 165.682
Yxy	44.9650, 0.2948, 0.3516
Android (android.graphics.Color)	4288068523 (0xFF96BBAB)
YUV	174.1130, -1.5347, -21.1471
Hunter-Lab	67.0559, -16.9956, 6.9560

Details

The XYZ color **37.6987, 44.9650, 45.2202** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.2844, 35.1318, 40.8418**, and the grayscale version is **40.3051, 42.4041, 46.1780**.

A 20% lighter version of the original color is **70.9549, 82.5713, 84.1496**, and **17.0005, 21.0348, 20.6169** is the 20% darker color. If you saturate the color by 10%, you get **33.7811, 43.0330, 41.1356**, and if you desaturate by 10%, it is **42.2152, 47.2027, 49.5810**.

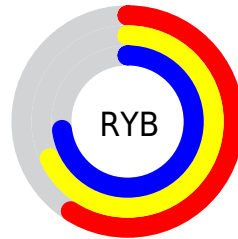
Distribution



Red (59%)

Green (73%)

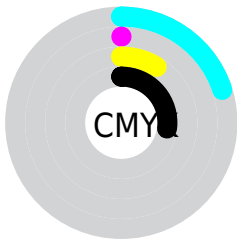
Blue (67%)



Red (59%)

Yellow (68%)

Blue (73%)

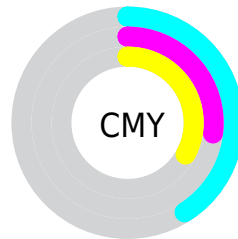


Cyan (20%)

Magenta (0%)

Yellow (9%)

Black (27%)



Cyan (41%)


Magenta (27%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6987, 44.9650, 45.2202 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 37.6987, 44.9650, 45.2202 by changing the saturation by 10% instead.


 37.6987, 44.9650,
45.2202

 37.6987, 44.9650,
45.2202


327.6290,
366.6318, 383.8507

 25.9251, 31.4299,
31.2867


 70.9530, 82.6679,
84.3727

 16.9000, 20.9264,
20.5570


 93.1643, 107.6044,
110.4288

 10.2581, 13.0702,
12.6125

119.5856,
137.1102, 141.3628

 5.6340, 7.4769,
7.0347

150.5823,
171.5697, 177.5933

 2.6623, 3.7621,
3.4050

186.5195,
211.3671, 219.5387

 0.9778, 1.5414,
1.3050

227.7628,

 0.0000, 0.3176,

256.8871, 267.6178

0.0659

274.6775,
308.5138, 322.2490

■ 0.0000, 0.0000,
0.0000

■ 37.6987, 44.9650,
45.2202

■ 37.6987, 44.9650,
45.2202

■ 33.7811, 43.0330,
41.1356

■ 42.2152, 47.2027,
49.5810

■ 30.4318, 41.3874,
37.3186

■ 47.3518, 49.7534,
54.2204

■ 27.6230, 40.0152,
33.7642

■ 53.1335, 52.6310,
59.1447

■ 25.3233, 38.9002,
30.4665

■ 59.5826, 55.8469,
64.3589

■ 23.4974, 38.0245,
27.4191

■ 66.7204, 59.4120,
69.8680

■ 22.1056, 37.3676,
24.6150

■ 71.8668, 61.9446,
75.5504

■ 21.1011, 36.9056,
22.0472

■ 72.9612, 62.3824,
81.3136

■ 20.3934, 36.5918,
19.7060

■ 74.1081, 62.8412,
87.3532

■ 20.3794, 36.5857,
19.6585

■ 75.3083, 63.3212,
93.6730

Harmonies

Analogous

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



38.9763, 44.9650, 38.8962



37.6987, 44.9650, 45.2202



37.7294, 44.9650, 53.2757

Triad

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



37.6987, 44.9650, 45.2202



44.2196, 44.9650, 65.4750



46.6372, 44.9650, 38.6725

Complementary

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



37.6987, 44.9650, 45.2202



38.2844, 35.1318, 40.8418

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.



48.1710, 44.9650, 44.8825



37.6987, 44.9650, 45.2202



46.7340, 44.9650, 60.6235

Square

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



37.6987, 44.9650, 45.2202



41.4116, 44.9650, 65.5912



48.2072, 44.9650, 52.8989



44.0922, 44.9650, 35.4072

Rectangle

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



37.6987, 44.9650, 45.2202



38.4851, 44.9650, 58.5823



48.2072, 44.9650, 52.8989



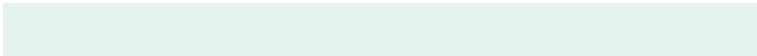
47.2930, 44.9650, 40.4523

Sweetspot

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



37.7000, 44.9669, 45.2212



78.8662, 86.1546, 91.8022



39.0098, 45.8553, 35.6497



17.2378, 18.9082, 20.0979



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



37.7000, 44.9669, 45.2212



64.1583, 78.8724, 77.5602



38.8003, 44.5768, 53.5752



9.6295, 10.7379, 11.2982



14.0777, 25.2214, 13.7379



0.5837, 1.0008, 0.7079

Inverse Universe

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



38.2844, 35.1318, 40.8418



65.4073, 57.8643, 68.2084



37.3041, 35.3762, 33.7170



9.6969, 9.6030, 10.7927



15.1751, 7.7012, 6.2157



0.6273, 0.3148, 0.4164

Previews

White Background



This preview shows how the XYZ color 37.6987, 44.9650, 45.2202 looks on a white background.

Color Contrast Check

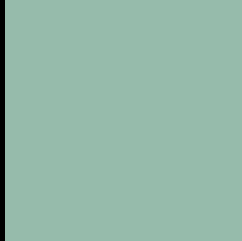
Large Text (above 18pt) WCAG AA × Fail

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 37.6987, 44.9650, 45.2202 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

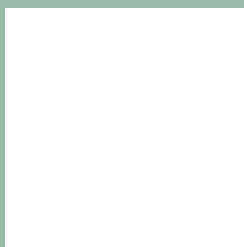
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6987, 44.9650, 45.2202

Background



This preview shows how black text looks on a background with the XYZ color 37.6987, 44.9650, 45.2202.



This preview shows how white text looks on a background with the XYZ color 37.6987, 44.9650,

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

37.6987, 44.9650, 45.2202

Protanopia

42.5705, 44.7843, 42.4769

Deuteranopia

45.4185, 44.4314, 46.2267



Tritanopia

40.6441, 44.9128, 59.9529

Trichromacy



Original Color

37.6987, 44.9650, 45.2202

Protanomaly

40.6050, 44.6456, 43.5231

Deuteranomaly

42.0874, 44.1647, 45.8416

Tritanomaly

39.3545, 44.6841, 54.1276

Monochromacy



Original Color

37.6987, 44.9650, 45.2202

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.1800, 43.2567, 45.8195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6987, 44.9650, 45.2202 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(150, 187, 171)` looks like.

```
.text, #text, p{  
    color:rgb(150, 187, 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(150, 187, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 187, 171) }
```

Border

The CSS property to change the border of an element to XYZ 37.6987, 44.9650, 45.2202 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(150, 187, 171) }
```


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

```
.border{ border-color:rgb(150, 187, 171) }
```

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

Here you see how a box with a 4 pixel rgb(150, 187, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 187, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 187, 171);  
box-shadow:4px 4px 4px 4px rgb(150, 187,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6987, 44.9650, 45.2202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 187, 171) }
```

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

```
.background{ background-color: rgb(150,  
187, 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](#).

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