

Converting Colors

XYZ(40.5232, 45.4750, 45.6715)

Have a look what the booklet for
XYZ(40.5232, 45.4750, 45.6715)
contains.

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Color

**XYZ(40.5232, 45.4750,
45.6715)**

Conversions

Conversions Part 1

Format	Color
Hex	A7B8AC
RGB	167, 184, 172
RGB Percent	65%, 72%, 67%
CMY	0.3451, 0.2784, 0.3255
CMYK	0.09, 0.00, 0.07, 0.28
HSL	138°, 11%, 69%
HSV	138°, 9%, 72%
XYZ	40.5232, 45.4750, 45.6715
YIQ	177.5490, -6.2800, -7.3360

Conversions

Conversions Part 2

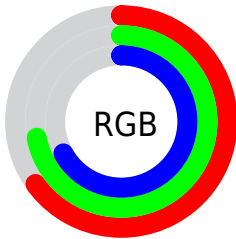
Format	Color
RYB	167, 180, 184
Decimal	10991788
CIELab	73.20, -8.18, 4.09
CIELCh	73, 9.141, 153.446
Yxy	45.4750, 0.3078, 0.3454
Android (android.graphics.Color)	4289181868 (0xFFA7B8AC)
YUV	177.5490, -2.7357, -9.2515
Hunter-Lab	67.4352, -10.7471, 7.0495

Details

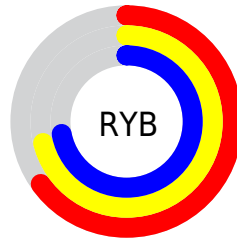
The XYZ color **40.5232, 45.4750, 45.6715** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.7242, 41.0835, 48.3807**, and the grayscale version is **42.0961, 44.2884, 48.2301**.

A 20% lighter version of the original color is **75.1494, 83.3958, 84.8093**, and **18.5767, 21.2335, 20.8887** is the 20% darker color. If you saturate the color by 10%, you get **35.7221, 43.1384, 39.2503**, and if you desaturate by 10%, it is **46.0019, 48.1494, 52.7629**.

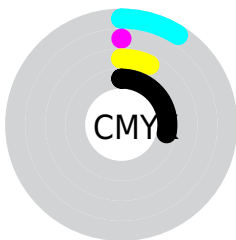
Distribution



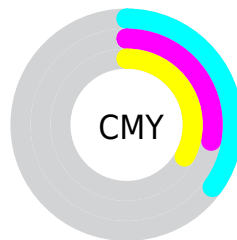
- Red (65%)
- Green (72%)
- Blue (67%)



- Red (65%)
- Yellow (71%)
- Blue (72%)



- Cyan (9%)
- Magenta (0%)
- Yellow (7%)
- Black (28%)



- Cyan (35%)
- Magenta (28%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5232, 45.4750, 45.6715 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 40.5232, 45.4750, 45.6715 by changing the saturation by 10% instead.

■ 40.5232, 45.4750,
45.6715

■ 40.5232, 45.4750,
45.6715

339.4206,
368.6939, 385.7255

■ 28.1327, 31.8317,
31.6399

■ 75.2389, 83.4327,
85.0563

■ 18.5667, 21.2330,
20.8240

■ 98.2948, 108.5160,
111.2465

■ 11.4598, 13.2944,
12.8055

125.6365,
138.1814, 142.3266

■ 6.4465, 7.6316,
7.1656

157.6295,
172.8133, 178.7153

■ 3.1617, 3.8601,
3.4858

194.6390,
212.7961, 220.8309

■ 1.2398, 1.5956,
1.3477

237.0305,

■ 0.1375, 0.3547,

258.5142, 269.0922

0.1004

285.1692,
310.3520, 323.9175

■ 0.0000, 0.0000,
0.0000

■ 40.5232, 45.4750,
45.6715

■ 40.5232, 45.4750,
45.6715

■ 35.7221, 43.1384,
39.2503

■ 46.0019, 48.1494,
52.7629

■ 31.5681, 41.1204,
33.4768

■ 52.1796, 51.1684,
60.5401

■ 28.0340, 39.4087,
28.3317

■ 59.0815, 54.5459,
69.0220

■ 25.0890, 37.9879,
23.7936

■ 66.7304, 58.2932,
78.2258

■ 22.6997, 36.8412,
19.8399

■ 73.6597, 61.6541,
88.0985

■ 20.8293, 35.9502,
16.4466

■ 75.6267, 62.4408,
98.4565

■ 19.4361, 35.2938,
13.5878

■ 76.4314, 62.7627,
102.6938

■ 18.4718, 34.8478,
11.2357

■ 17.8508, 34.5685,
9.3584

Harmonies

Analogous

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



41.5457, 45.4750, 42.5068



40.5232, 45.4750, 45.6715



40.2178, 45.4750, 50.0471

Triad

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



40.5232, 45.4750, 45.6715



43.4082, 45.4750, 58.8609



45.8464, 45.4750, 44.8061

Complementary

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



40.5232, 45.4750, 45.6715



41.7242, 41.0835, 48.3807

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.



46.3735, 45.4750, 48.9858



40.5232, 45.4750, 45.6715



44.9441, 45.4750, 57.2530

Square

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



40.5232, 45.4750, 45.6715



41.8590, 45.4750, 57.8396



46.0393, 45.4750, 53.5673



44.6155, 45.4750, 42.0293

Rectangle

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



40.5232, 45.4750, 45.6715



40.4555, 45.4750, 53.1112



46.0393, 45.4750, 53.5673



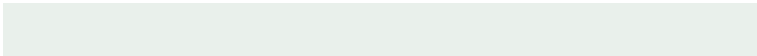
46.1131, 45.4750, 46.0840

Sweetspot

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



40.5245, 45.4769, 45.6725



79.4571, 85.3612, 90.6011



42.7501, 46.6787, 43.3165



16.9556, 18.3173, 19.3074



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.



40.5245, 45.4769, 45.6725



71.6719, 81.5648, 80.4335



41.3488, 45.8067, 50.0135



8.9961, 10.1024, 10.1369



12.3012, 23.8214, 6.5081



0.4616, 0.8510, 0.3768

Inverse Universe

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



41.7242, 41.0835, 48.3807



74.2693, 72.0521, 86.2967



40.9078, 40.7570, 44.0817



9.2653, 9.1165, 10.7446



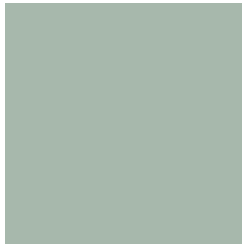
16.4273, 8.1447, 15.4026



0.6048, 0.2974, 0.6781

Previews

White Background



This preview shows how the XYZ color 40.5232, 45.4750, 45.6715 looks on a white background.

Color Contrast Check

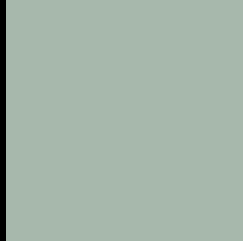
Large Text (above 18pt) WCAG AA × Fail

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 40.5232, 45.4750, 45.6715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

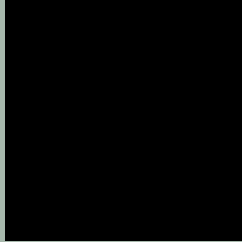
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

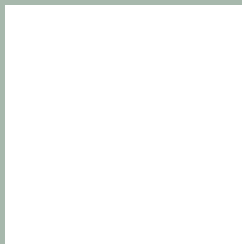
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5232, 45.4750, 45.6715

Background



This preview shows how black text looks on a background with the XYZ color 40.5232, 45.4750, 45.6715.



This preview shows how white text looks on a background with the XYZ color 40.5232, 45.4750,

45.6715.

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

40.5232, 45.4750, 45.6715

Protanopia

43.2891, 45.4191, 44.0213

Deuteranopia

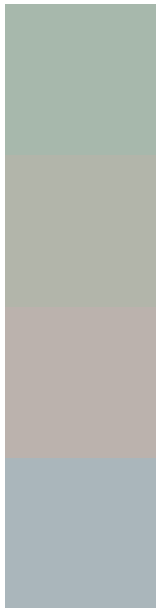
46.3292, 45.4702, 46.3792



Tritanopia

43.1688, 45.6458, 58.1650

Trichromacy



Original Color

40.5232, 45.4750, 45.6715

Protanomaly

42.1397, 45.4150, 44.5752

Deuteranomaly

43.9567, 45.4227, 45.9859

Tritanomaly

42.2752, 45.5898, 53.5853

Monochromacy



Original Color

40.5232, 45.4750, 45.6715

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.6133, 44.7758, 47.5236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5232, 45.4750, 45.6715 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(167, 184, 172)` looks like.

```
.text, #text, p{  
    color:rgb(167, 184, 172)  
}
```

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(167, 184, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 184, 172) }
```

Border

The CSS property to change the border of an element to XYZ 40.5232, 45.4750, 45.6715 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(167, 184, 172) }
```


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

```
.border{ border-color:rgb(167, 184, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 184, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 184, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 184, 172); box-shadow:4px 4px 4px 4px rgb(167, 184, 172) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5232, 45.4750, 45.6715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 184, 172) }
```

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

```
.background{ background-color: rgb(167,  
184, 172) }
```

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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