

Converting Colors

XYZ(33.2746, 40.6337, 49.6462)

Have a look what the booklet for
XYZ(33.2746, 40.6337, 49.6462)
contains.

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Color

**XYZ(33.3218, 40.7439,
49.8242)**

Conversions

Conversions Part 1

Format	Color
Hex	7DB5B5
RGB	125, 181, 181
RGB Percent	49%, 71%, 71%
CMY	0.5098, 0.2902, 0.2902
CMYK	0.31, 0.00, 0.00, 0.29
HSL	180°, 27%, 60%
HSV	180°, 31%, 71%
XYZ	33.3218, 40.7439, 49.8242
YIQ	164.2560, -33.3760, -11.8720

Conversions

Conversions Part 2

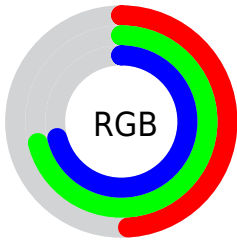
Format	Color
RYB	125, 153, 181
Decimal	8238517
CIELab	70.00, -18.11, -5.85
CIElCh	70, 19.034, 197.899
Yxy	40.7439, 0.2690, 0.3289
Android (android.graphics.Color)	4286428597 (0xFF7DB5B5)
YUV	164.2560, 8.2548, -34.4275
Hunter-Lab	63.8309, -18.5214, -1.5980

Details

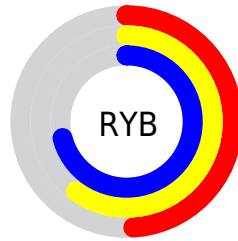
The XYZ color **33.3218, 40.7439, 49.8242** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.0927, 25.9728, 22.8308**, and the grayscale version is **35.3827, 37.2254, 40.5384**.

A 20% lighter version of the original color is **64.1607, 76.2665, 91.4600**, and **14.3631, 18.4133, 23.2192** is the 20% darker color. If you saturate the color by 10%, you get **30.9168, 39.5051, 49.7122**, and if you desaturate by 10%, it is **36.2108, 42.2342, 49.9606**.

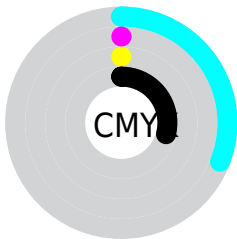
Distribution



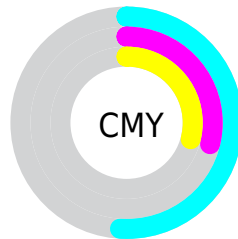
- Red (49%)
- Green (71%)
- Blue (71%)



- Red (49%)
- Yellow (60%)
- Blue (71%)



- Cyan (31%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)



- Cyan (51%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3218, 40.7439, 49.8242 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 33.3218, 40.7439, 49.8242 by changing the saturation by 10% instead.

■ 33.3218, 40.7439,
49.8242

■ 33.3218, 40.7439,
49.8242

308.7367,
349.2491, 402.6934

■ 22.5335, 28.1190,
34.9035

■ 64.2289, 76.2950,
91.3080

■ 14.3682, 18.4154,
23.3056

■ 85.0785, 99.9900,
118.7082

■ 8.4606, 11.2486,
14.6119

■ 110.0125,
128.1438, 151.1052

■ 4.4453, 6.2343,
8.4039

139.3963,
161.1408, 188.9178

■ 1.9570, 2.9881,
4.2630

173.5952,
199.3655, 232.5644

■ 0.6097, 1.1255,
1.7707

212.9747,

■ 0.0000, 0.0000,

243.2022, 282.4635

0.4085

257.9001,
293.0352, 339.0336

■ 0.0000, 0.0000,
0.0000

■ 33.3218, 40.7439,
49.8242

■ 33.3218, 40.7439,
49.8242

■ 30.9168, 39.5051,
49.7122

■ 36.2108, 42.2342,
49.9606

■ 28.9659, 38.4994,
49.6205

■ 39.6042, 43.9836,
50.1198

■ 27.4417, 37.7136,
49.5488

■ 43.5260, 46.0054,
50.3037

■ 26.3122, 37.1314,
49.4956

■ 47.9973, 48.3104,
50.5133

■ 25.5412, 36.7339,
49.4592

■ 53.0382, 50.9090,
50.7496

■ 25.0854, 36.4989,
49.4375

■ 58.6676, 53.8111,
51.0134

■ 24.8647, 36.3852,
49.4268

■ 64.9037, 57.0259,
51.3056

■ 66.1057, 57.6456,
51.3622

■ 66.1058, 57.6456,
51.3626

Harmonies

Analogous

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



33.1807, 40.7439, 40.8771



33.3218, 40.7439, 49.8242



34.8624, 40.7439, 58.2857

Triad

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



33.3218, 40.7439, 49.8242



43.3230, 40.7439, 56.8319



39.9899, 40.7439, 29.6667

Complementary

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



33.3218, 40.7439, 49.8242



30.0927, 25.9728, 22.8308

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.



42.8647, 40.7439, 32.8555



33.3218, 40.7439, 49.8242



44.8568, 40.7439, 48.0420

Square

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



33.3218, 40.7439, 49.8242



40.5885, 40.7439, 62.6885



44.6847, 40.7439, 39.3165



36.9211, 40.7439, 30.0101

Rectangle

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



33.3218, 40.7439, 49.8242



36.5244, 40.7439, 62.1506



44.6847, 40.7439, 39.3165



41.0140, 40.7439, 30.3414

Sweetspot

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



33.3230, 40.7455, 49.8251



72.1132, 79.3818, 89.8155



28.8211, 38.9606, 25.4040



15.3799, 17.0509, 19.4026



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.3230, 40.7455, 49.8251



56.7074, 71.4398, 89.0927



28.3437, 30.7867, 48.1664



8.7427, 9.6316, 10.9045



17.1405, 25.0822, 34.0725



0.5393, 0.7892, 1.0721

Inverse Universe

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



30.0927, 25.9728, 22.8308



50.0168, 40.8425, 33.1818



33.9982, 33.7840, 24.1319



8.4964, 8.5053, 8.8465



13.1369, 6.7723, 0.6150



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 33.3218, 40.7439, 49.8242 looks on a white background.

Color Contrast Check

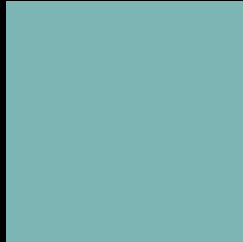
Large Text (above 18pt) WCAG AA × Fail

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 33.3218, 40.7439, 49.8242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

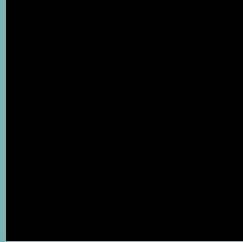
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3218, 40.7439, 49.8242

Background



This preview shows how black text looks on a background with the XYZ color 33.3218, 40.7439, 49.8242.



This preview shows how white text looks on a background with the XYZ color 33.3218, 40.7439,

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

33.3218, 40.7439, 49.8242

Protanopia

39.0280, 40.5761, 45.8194

Deuteranopia

41.3440, 40.5569, 50.9966



Tritanopia

34.6478, 40.6796, 56.4779

Trichromacy



Original Color

33.3218, 40.7439, 49.8242

Protanomaly

36.5894, 40.4150, 47.4674

Deuteranomaly

37.8081, 40.1218, 50.5513

Tritanomaly

34.2590, 40.8287, 54.2192

Monochromacy



Original Color

33.3218, 40.7439, 49.8242

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.2081, 38.1358, 43.5882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3218, 40.7439, 49.8242 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, 181, 181)` looks like.

```
.text, #text, p{  
    color:rgb(125, 181, 181)  
}
```

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, 181, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 181, 181) }
```

Border

The CSS property to change the border of an element to XYZ 33.3218, 40.7439, 49.8242 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, 181, 181) }
```


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

```
.border{ border-color:rgb(125, 181, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 181, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 181, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 181, 181);  
box-shadow:4px 4px 4px 4px rgb(125, 181,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3218, 40.7439, 49.8242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 181, 181) }
```

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

```
.background{ background-color: rgb(125,  
181, 181) }
```

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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