

Converting Colors

XYZ(33.1378, 40.8165, 49.6567)

Have a look what the booklet for
XYZ(33.1378, 40.8165, 49.6567)
contains.

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Color

**XYZ(33.2368, 41.0030,
49.8787)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB6B5
RGB	123, 182, 181
RGB Percent	48%, 71%, 71%
CMY	0.5176, 0.2863, 0.2902
CMYK	0.32, 0.00, 0.01, 0.29
HSL	179°, 29%, 60%
HSV	179°, 32%, 71%
XYZ	33.2368, 41.0030, 49.8787
YIQ	164.2450, -34.8430, -12.8190

Conversions

Conversions Part 2

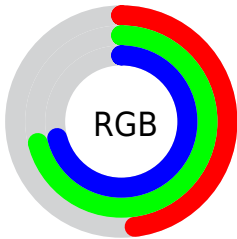
Format	Color
R_{YB}	123, 153, 182
Decimal	8107701
CIE _{Lab}	70.18, -19.20, -5.59
CIE _{LCh}	70, 19.995, 196.242
Yxy	41.0030, 0.2678, 0.3304
Android (android.graphics.Color)	4286297781 (0xFF7BB6B5)
YUV	164.2450, 8.2602, -36.1719
Hunter-Lab	64.0336, -19.4079, -1.3602

Details

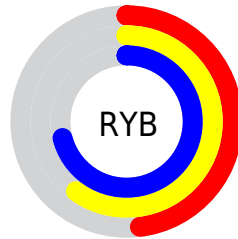
The XYZ color **33.2368, 41.0030, 49.8787** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.0138, 25.5674, 22.4234**, and the grayscale version is **35.3780, 37.2204, 40.5330**.

A 20% lighter version of the original color is **64.2207, 76.7285, 91.5461**, and **14.3451, 18.5986, 23.2559** is the 20% darker color. If you saturate the color by 10%, you get **30.8401, 39.7721, 49.6020**, and if you desaturate by 10%, it is **36.1201, 42.4867, 50.1803**.

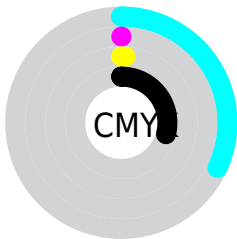
Distribution



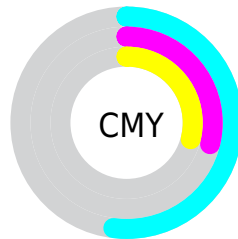
- Red (48%)
- Green (71%)
- Blue (71%)



- Red (48%)
- Yellow (60%)
- Blue (71%)



- Cyan (32%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)





- Cyan (52%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2368, 41.0030, 49.8787 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 33.2368, 41.0030, 49.8787 by changing the saturation by 10% instead.


 33.2368, 41.0030,
49.8787


 33.2368, 41.0030,
49.8787


308.3616,
350.3332, 402.9129


 22.4680, 28.3214,
34.9465


 64.0973, 76.6884,
91.3896

 14.3197, 18.5681,
23.3385


 84.9197, 100.4611,
118.8054

 8.4266, 11.3586,
14.6360


 109.8240,
128.6996, 151.2194

 4.4232, 6.3086,
8.4205

139.1755,
161.7883, 189.0503

 1.9442, 3.0336,
4.2736

173.3397,
200.1116, 232.7166

 0.6023, 1.1493,
1.7766

212.6819,

 0.0000, 0.0197,

244.0539, 282.6367

0.4125

257.5674,
293.9996, 339.2293

■ 0.0000, 0.0000,
0.0000

■ 33.2368, 41.0030,
49.8787

■ 33.2368, 41.0030,
49.8787

■ 30.8401, 39.7721,
49.6020

■ 36.1201, 42.4867,
50.1803

■ 28.8994, 38.7753,
49.3462

■ 39.5110, 44.2312,
50.5051

■ 27.3864, 37.9990,
49.1107

■ 43.4340, 46.2498,
50.8552

■ 26.2683, 37.4262,
48.8941

■ 47.9107, 48.5540,
51.2315

■ 25.5072, 37.0375,
48.6946

■ 52.9615, 51.1541,
51.6351

■ 25.0582, 36.8096,
48.5100

■ 58.6060, 54.0602,
52.0669

■ 24.8565, 36.7084,
48.3768

■ 64.8626, 57.2819,
52.5276

■ 66.5653, 58.1559,
52.7757

■ 66.5976, 58.1688,
52.9459

Harmonies

Analogous

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



33.1733, 41.0030, 40.4947



33.2368, 41.0030, 49.8787



34.7796, 41.0030, 58.9697

Triad

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



33.2368, 41.0030, 49.8787



43.6967, 41.0030, 58.3069



40.4880, 41.0030, 29.3272

Complementary

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



33.2368, 41.0030, 49.8787



30.0138, 25.5674, 22.4234

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.



43.4887, 41.0030, 32.8515



33.2368, 41.0030, 49.8787



45.4101, 41.0030, 49.0703

Square

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



33.2368, 41.0030, 49.8787



40.7590, 41.0030, 64.2817



45.3320, 41.0030, 39.7914



37.2382, 41.0030, 29.4803

Rectangle

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



33.2368, 41.0030, 49.8787



36.4913, 41.0030, 63.2569



45.3320, 41.0030, 39.7914



41.5629, 41.0030, 30.0973

Sweetspot

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



33.2380, 41.0046, 49.8796



73.1437, 80.9662, 91.7003



28.7569, 39.2450, 24.7992



15.9455, 17.7751, 20.2346



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.



33.2380, 41.0046, 49.8796



57.0244, 72.6760, 90.0592



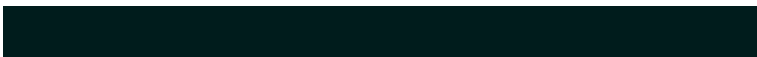
28.2459, 30.8552, 48.7247



9.2599, 10.2079, 11.5261



17.5553, 25.9231, 34.1758



0.6210, 0.9147, 1.2159

Inverse Universe

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



30.0138, 25.5674, 22.4234



50.2553, 40.2604, 32.4112



33.8596, 33.3598, 23.3943



9.0106, 9.0146, 9.4034



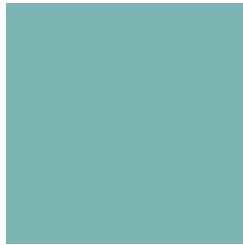
13.6378, 7.0289, 0.7138



0.4829, 0.2486, 0.0362

Previews

White Background



This preview shows how the XYZ color 33.2368, 41.0030, 49.8787 looks on a white background.

Color Contrast Check

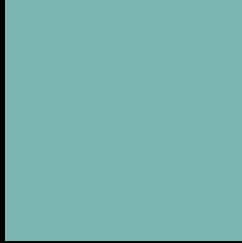
Large Text (above 18pt) WCAG AA × Fail

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 33.2368, 41.0030, 49.8787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

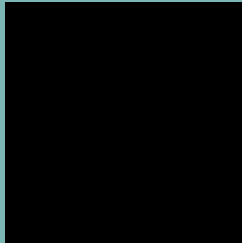
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2368, 41.0030, 49.8787

Background



This preview shows how black text looks on a background with the XYZ color 33.2368, 41.0030, 49.8787.

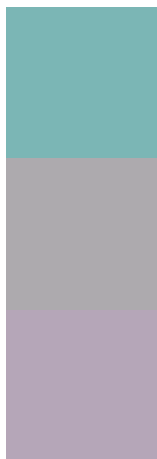


This preview shows how white text looks on a background with the XYZ color 33.2368, 41.0030,

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

33.2368, 41.0030, 49.8787

Protanopia

39.2483, 40.6897, 45.8297

Deuteranopia

41.3440, 40.5569, 50.9966



Tritanopia

34.6630, 40.9732, 57.1206

Trichromacy



Original Color

33.2368, 41.0030, 49.8787

Protanomaly

36.5894, 40.4150, 47.4674

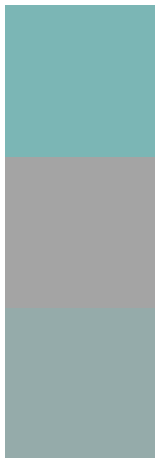
Deuteranomaly

37.7970, 40.3975, 50.6051

Tritanomaly

34.1666, 41.0818, 54.2729

Monochromacy



Original Color

33.2368, 41.0030, 49.8787

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.2130, 38.4177, 43.6423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2368, 41.0030, 49.8787 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(123, 182, 181)` looks like.

```
.text, #text, p{  
    color:rgb(123, 182, 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(123, 182, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 182, 181) }
```

Border

The CSS property to change the border of an element to XYZ 33.2368, 41.0030, 49.8787 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(123, 182, 181) }
```


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

```
.border{ border-color:rgb(123, 182, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 182, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 182, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 182, 181);  
box-shadow:4px 4px 4px 4px rgb(123, 182,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2368, 41.0030, 49.8787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 182, 181) }
```

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

```
.background{ background-color: rgb(123,  
182, 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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