

Converting Colors

XYZ(33.9832, 40.2175, 61.8488)

Have a look what the booklet for
XYZ(33.9832, 40.2175, 61.8488)
contains.

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Color

**XYZ(33.9832, 40.2175,
61.8488)**

Conversions

Conversions Part 1

Format	Color
Hex	74B3CA
RGB	116, 179, 202
RGB Percent	45%, 70%, 79%
CMY	0.5451, 0.2980, 0.2078
CMYK	0.43, 0.11, 0.00, 0.21
HSL	196°, 45%, 62%
HSV	196°, 43%, 79%
XYZ	33.9832, 40.2175, 61.8488
YIQ	162.7850, -44.9310, -6.2030

Conversions

Conversions Part 2

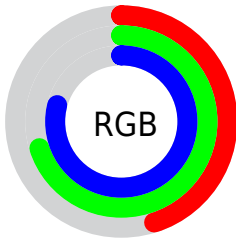
Format	Color
R _{YB}	116, 152, 202
Decimal	7648202
CIE Lab	69.62, -14.19, -18.01
CIE LCh	70, 22.928, 231.758
Yxy	40.2175, 0.2498, 0.2956
Android (android.graphics.Color)	4285838282 (0xFF74B3CA)
YUV	162.7850, 19.3330, -41.0304
Hunter-Lab	63.4173, -15.3280, -13.4315

Details

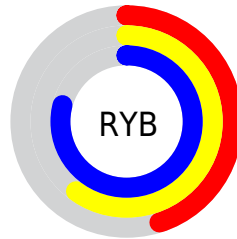
The XYZ color **33.9832, 40.2175, 61.8488** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.7428, 32.2834, 20.8188**, and the grayscale version is **34.6394, 36.4433, 39.6868**.

A 20% lighter version of the original color is **64.7716, 75.4073, 105.7490**, and **14.7306, 18.0519, 30.7250** is the 20% darker color. If you saturate the color by 10%, you get **30.5231, 36.8587, 61.3836**, and if you desaturate by 10%, it is **38.0720, 43.9652, 62.3574**.

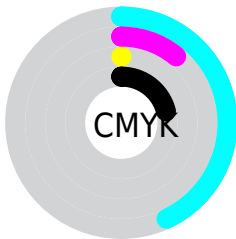
Distribution



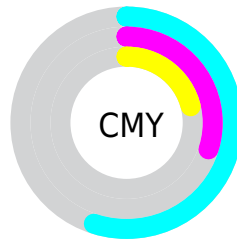
- Red (45%)
- Green (70%)
- Blue (79%)



- Red (45%)
- Yellow (60%)
- Blue (79%)



- Cyan (43%)
- Magenta (11%)
- Yellow (0%)
- Black (21%)



- Cyan (55%)
- Magenta (30%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9832, 40.2175, 61.8488 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 33.9832, 40.2175, 61.8488 by changing the saturation by 10% instead.

■ 33.9832, 40.2175,
61.8488

■ 33.9832, 40.2175,
61.8488

311.6444,
347.0394, 449.3718

■ 23.0435, 27.7082,
44.4755

■ 65.2520, 75.4946,
109.0765

■ 14.7465, 18.1058,
30.7046

■ 86.3118, 99.0312,
139.7679

■ 8.7268, 11.0260,
20.1174

■ 111.4758,
127.0122, 175.7359

■ 4.6191, 6.0843,
12.2955

141.1092,
159.8223, 217.3988

■ 2.0580, 2.8964,
6.8203

175.5774,
197.8456, 265.1754

■ 0.6662, 1.0779,
3.2732

215.2457,

■ 0.0000, 0.0000,

241.4666, 319.4840

1.2358

260.4796,
291.0698, 380.7433

■ 0.0000, 0.0000,
0.0083

■ 0.0000, 0.0000,
0.0000

■ 33.9832, 40.2175,
61.8488

■ 33.9832, 40.2175,
61.8488

■ 30.5231, 36.8587,
61.3836

■ 38.0720, 43.9652,
62.3574

■ 27.6493, 33.8635,
60.9569

■ 42.8211, 48.1160,
62.9083

■ 25.3197, 31.2104,
60.5676

■ 48.2642, 52.6890,
63.5041

■ 23.4848, 28.8731,
60.2131

■ 54.4316, 57.7004,
64.1463

■ 22.0850, 26.8202,
59.8907

■ 61.3518, 63.1657,
64.8365

■ 21.2477, 25.4382,
59.6681

■ 69.0516, 69.0992,
65.5759

■ 76.6666, 75.0559,
66.3243

■ 78.0804, 77.8835,
66.7956

■ 79.5402, 80.8030,
67.2822

Harmonies

Analogous

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



31.9834, 40.2175, 51.7970



33.9832, 40.2175, 61.8488



37.2133, 40.2175, 67.2450

Triad

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



33.9832, 40.2175, 61.8488



45.7185, 40.2175, 46.7805



35.6450, 40.2175, 27.4425

Complementary

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



33.9832, 40.2175, 61.8488



36.7428, 32.2834, 20.8188

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.



39.2559, 40.2175, 26.5424



33.9832, 40.2175, 61.8488



45.2312, 40.2175, 36.6539

Square

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



33.9832, 40.2175, 61.8488



44.0983, 40.2175, 57.6721



42.8070, 40.2175, 29.6406



32.8988, 40.2175, 32.3361

Rectangle

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



33.9832, 40.2175, 61.8488



39.6957, 40.2175, 66.9560



42.8070, 40.2175, 29.6406



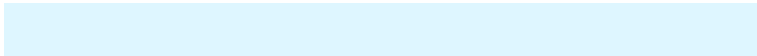
36.7921, 40.2175, 26.6984

Sweetspot

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



33.9845, 40.2190, 61.8497



81.1251, 88.7195, 107.4566



32.9792, 47.8171, 31.8930



16.9039, 18.6074, 22.9506



0.0000, 0.0000, 0.0000



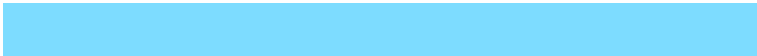
20.3446, 21.4041, 23.3091

Same Dimension

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



33.9845, 40.2190, 61.8497



52.1515, 62.8789, 103.9959



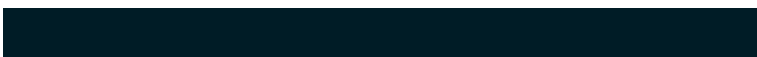
26.6777, 25.6055, 59.4141



11.2796, 12.1997, 14.3306



13.7491, 16.5221, 38.4207



0.7697, 0.9731, 2.0022

Inverse Universe

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



38.7402, 28.3031, 46.0707



61.5149, 41.0936, 72.5537



44.2247, 47.2470, 23.3127



11.5545, 11.3505, 13.4546



19.1508, 9.4709, 19.0446



1.0184, 0.5008, 1.1429

Previews

White Background



This preview shows how the XYZ color 33.9832, 40.2175, 61.8488 looks on a white background.

Color Contrast Check

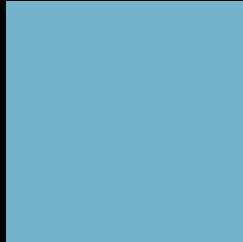
Large Text (above 18pt) WCAG AA × Fail

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 33.9832, 40.2175, 61.8488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

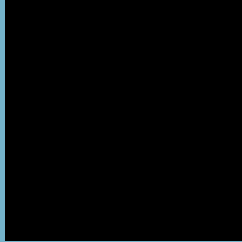
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9832, 40.2175, 61.8488

Background



This preview shows how black text looks on a background with the XYZ color 33.9832, 40.2175, 61.8488.



This preview shows how white text looks on a background with the XYZ color 33.9832, 40.2175,

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

33.9832, 40.2175, 61.8488

Protanopia

39.3700, 39.9447, 57.2648

Deuteranopia

40.8041, 40.0050, 63.3287



Tritanopia

33.1110, 40.1601, 57.6363

Trichromacy



Original Color

33.9832, 40.2175, 61.8488

Protanomaly

36.9782, 39.7853, 59.1565

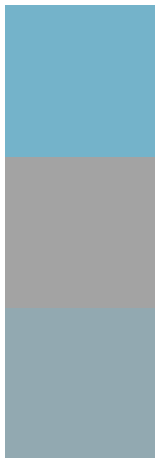
Deuteranomaly

37.8564, 39.8750, 62.8281

Tritanomaly

33.5845, 40.3646, 59.4471

Monochromacy



Original Color

33.9832, 40.2175, 61.8488

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.9778, 37.6613, 47.0735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9832, 40.2175, 61.8488 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(116, 179, 202)` looks like.

```
.text, #text, p{  
    color:rgb(116, 179, 202)  
}
```

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(116, 179, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 179, 202) }
```

Border

The CSS property to change the border of an element to XYZ 33.9832, 40.2175, 61.8488 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(116, 179, 202) }
```


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

```
.border{ border-color:rgb(116, 179, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 179, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 179, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 179, 202);  
box-shadow:4px 4px 4px 4px rgb(116, 179,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9832, 40.2175, 61.8488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 179, 202) }
```

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

```
.background{ background-color: rgb(116,  
179, 202) }
```

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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