

Converting Colors

XYZ(33.1185, 40.2202, 54.3777)

Have a look what the booklet for
XYZ(33.1185, 40.2202, 54.3777)
contains.

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Color

**XYZ(33.1143, 40.2386,
54.1656)**

Conversions

Conversions Part 1

Format	Color
Hex	77B4BD
RGB	119, 180, 189
RGB Percent	47%, 71%, 74%
CMY	0.5333, 0.2941, 0.2588
CMYK	0.37, 0.05, 0.00, 0.26
HSL	188°, 35%, 60%
HSV	188°, 37%, 74%
XYZ	33.1143, 40.2386, 54.1656
YIQ	162.7870, -39.2450, -10.1330

Conversions

Conversions Part 2

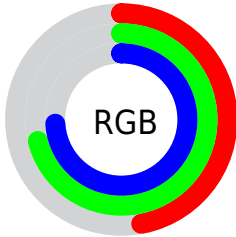
Format	Color
RYB	119, 152, 189
Decimal	7845053
CIELab	69.64, -17.31, -10.82
CIELCh	70, 20.410, 212.007
Yxy	40.2386, 0.2597, 0.3156
Android (android.graphics.Color)	4286035133 (0xFF77B4BD)
YUV	162.7870, 12.9230, -38.4012
Hunter-Lab	63.4339, -17.8273, -6.2234

Details

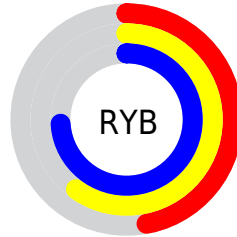
The XYZ color **33.1143, 40.2386, 54.1656** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.0358, 27.5895, 21.0905**, and the grayscale version is **34.6676, 36.4730, 39.7191**.

A 20% lighter version of the original color is **63.9324, 75.5821, 97.6054**, and **14.2801, 18.1146, 26.0364** is the 20% darker color. If you saturate the color by 10%, you get **30.2881, 38.0608, 53.8949**, and if you desaturate by 10%, it is **36.4674, 42.7026, 54.4652**.

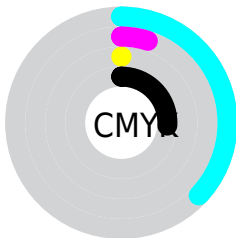
Distribution



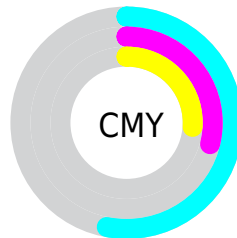
- Red (47%)
- Green (71%)
- Blue (74%)



- Red (47%)
- Yellow (60%)
- Blue (74%)



- Cyan (37%)
- Magenta (5%)
- Yellow (0%)
- Black (26%)



- Cyan (53%)
- Magenta (29%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1143, 40.2386, 54.1656 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 33.1143, 40.2386, 54.1656 by changing the saturation by 10% instead.

■ 33.1143, 40.2386,
54.1656

■ 33.1143, 40.2386,
54.1656

307.8203,
347.1282, 419.9336

■ 22.3737, 27.7246,
38.3400

■ 63.9074, 75.5267,
97.7762

■ 14.2499, 18.1182,
25.9428

■ 84.6906, 99.0696,
126.3983

■ 8.3775, 11.0349,
16.5555

■ 109.5521,
127.0577, 160.1229

■ 4.3913, 6.0903,
9.7595

138.8571,
159.8752, 199.3687

■ 1.9258, 2.9001,
5.1363

172.9711,
197.9066, 244.5541

■ 0.5918, 1.0798,
2.2673

212.2594,

■ 0.0000, 0.0000,

241.5363, 296.0977

0.7128

257.0874,
291.1487, 354.4180

■ 0.0000, 0.0000,
0.0000

■ 33.1143, 40.2386,
54.1656

■ 33.1143, 40.2386,
54.1656

■ 30.2881, 38.0608,
53.8949

■ 36.4674, 42.7026,
54.4652

■ 27.9543, 36.1486,
53.6488

■ 40.3718, 45.4628,
54.7922

■ 26.0800, 34.4860,
53.4267

■ 44.8552, 48.5343,
55.1487

■ 24.6269, 33.0531,
53.2267

■ 49.9419, 51.9298,
55.5360

■ 23.5502, 31.8267,
53.0467

■ 55.6550, 55.6612,
55.9551

■ 22.7877, 30.7747,
52.8838

■ 62.0165, 59.7400,
56.4071

■ 22.5877, 30.4786,
52.8372

■ 69.0471, 64.1768,
56.8930

■ 70.9501, 65.9834,
57.1414

■ 71.5152, 67.1136,
57.3297

Harmonies

Analogous

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



32.2494, 40.2386, 44.4524



33.1143, 40.2386, 54.1656



35.3446, 40.2386, 61.8939

Triad

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



33.1143, 40.2386, 54.1656



44.1253, 40.2386, 52.9059



38.0238, 40.2386, 28.0483

Complementary

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



33.1143, 40.2386, 54.1656



32.0358, 27.5895, 21.0905

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.



41.3011, 40.2386, 29.6485



33.1143, 40.2386, 54.1656



44.9424, 40.2386, 43.1797

Square

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



33.1143, 40.2386, 54.1656



41.7075, 40.2386, 61.0961



43.8813, 40.2386, 34.8714



34.9807, 40.2386, 30.1417

Rectangle

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



33.1143, 40.2386, 54.1656



37.3702, 40.2386, 64.3804



43.8813, 40.2386, 34.8714



39.1345, 40.2386, 28.1713

Sweetspot

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



33.1155, 40.2402, 54.1665



76.8817, 84.5773, 98.4992



29.6478, 41.8546, 26.6527



16.2989, 18.0276, 21.1632



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.



33.1155, 40.2402, 54.1665



55.3450, 69.0324, 96.6338



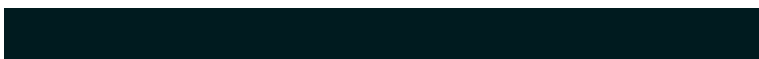
27.0471, 28.1034, 52.1437



9.7011, 10.5946, 12.2059



15.2367, 20.5852, 35.5632



0.6264, 0.8655, 1.4029

Inverse Universe

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



35.8223, 27.3087, 46.5649



60.9620, 43.0598, 80.6658



37.2665, 38.0510, 22.8341



9.8757, 9.6746, 11.7347



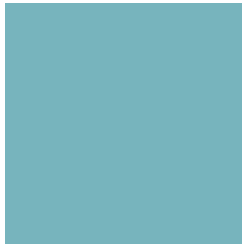
18.6916, 9.1078, 24.7331



0.7471, 0.3627, 1.0474

Previews

White Background



This preview shows how the XYZ color 33.1143, 40.2386, 54.1656 looks on a white background.

Color Contrast Check

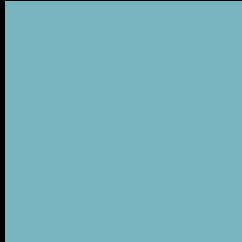
Large Text (above 18pt) WCAG AA × Fail

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 33.1143, 40.2386, 54.1656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

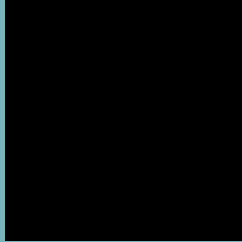
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1143, 40.2386, 54.1656

Background



This preview shows how black text looks on a background with the XYZ color 33.1143, 40.2386, 54.1656.

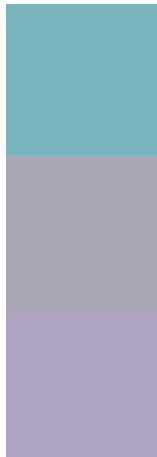


This preview shows how white text looks on a background with the XYZ color 33.1143, 40.2386,

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

33.1143, 40.2386, 54.1656

Protanopia

38.8083, 39.8177, 49.8961

Deuteranopia

40.6488, 39.8300, 55.4147



Tritanopia

33.6034, 40.1283, 57.0134

Trichromacy



Original Color

33.1143, 40.2386, 54.1656

Protanomaly

36.2720, 39.5871, 51.6283

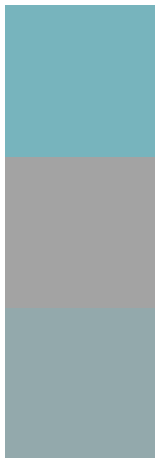
Deuteranomaly

37.2963, 39.4796, 54.9448

Tritanomaly

33.3803, 40.0390, 55.8382

Monochromacy



Original Color

33.1143, 40.2386, 54.1656

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.6670, 37.5575, 44.5046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1143, 40.2386, 54.1656 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(119, 180, 189)` looks like.

```
.text, #text, p{  
    color:rgb(119, 180, 189)  
}
```

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(119, 180, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 180, 189) }
```

Border

The CSS property to change the border of an element to XYZ 33.1143, 40.2386, 54.1656 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(119, 180, 189) }
```


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

```
.border{ border-color:rgb(119, 180, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 180, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 180, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 180, 189);  
box-shadow:4px 4px 4px 4px rgb(119, 180,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1143, 40.2386, 54.1656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 180, 189) }
```

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

```
.background{ background-color: rgb(119,  
180, 189) }
```

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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