

Converting Colors

XYZ(33.2586, 40.8820, 53.3231)

Have a look what the booklet for
XYZ(33.2586, 40.8820, 53.3231)
contains.

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Color

**XYZ(33.3053, 40.9657,
53.1655)**

Conversions

Conversions Part 1

Format	Color
Hex	77B6BB
RGB	119, 182, 187
RGB Percent	47%, 71%, 73%
CMY	0.5333, 0.2863, 0.2667
CMYK	0.36, 0.03, 0.00, 0.27
HSL	184°, 33%, 60%
HSV	184°, 36%, 73%
XYZ	33.3053, 40.9657, 53.1655
YIQ	163.7330, -39.1530, -11.8010

Conversions

Conversions Part 2

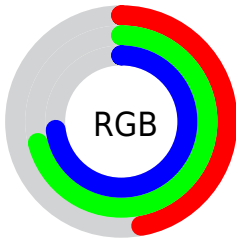
Format	Color
RYB	119, 152, 187
Decimal	7845563
CIELab	70.15, -18.84, -8.95
CIELCh	70, 20.861, 205.413
Yxy	40.9657, 0.2613, 0.3215
Android (android.graphics.Color)	4286035643 (0xFF77B6BB)
YUV	163.7330, 11.4706, -39.2308
Hunter-Lab	64.0045, -19.1237, -4.4463

Details

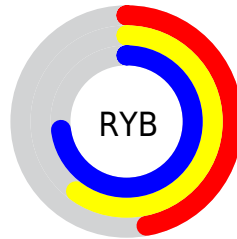
The XYZ color **33.3053, 40.9657, 53.1655** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.0315, 26.3123, 20.8968**, and the grayscale version is **35.1213, 36.9503, 40.2389**.

A 20% lighter version of the original color is **64.2078, 76.6188, 96.1988**, and **14.4001, 18.5800, 25.3816** is the 20% darker color. If you saturate the color by 10%, you get **30.7073, 39.2116, 52.9645**, and if you desaturate by 10%, it is **36.4134, 42.9889, 53.3929**.

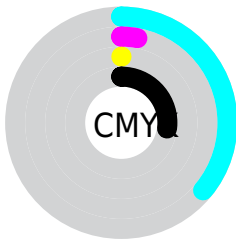
Distribution



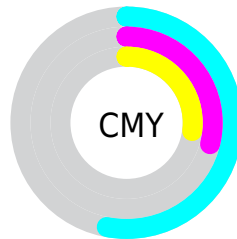
- Red (47%)
- Green (71%)
- Blue (73%)



- Red (47%)
- Yellow (60%)
- Blue (73%)



- Cyan (36%)
- Magenta (3%)
- Yellow (0%)
- Black (27%)



- Cyan (53%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3053, 40.9657, 53.1655 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 33.3053, 40.9657, 53.1655 by changing the saturation by 10% instead.

■ 33.3053, 40.9657,
53.1655

■ 33.3053, 40.9657,
53.1655

308.6639,
350.1772, 416.0040

■ 22.5208, 28.2923,
37.5463

■ 64.2034, 76.6318,
96.2919

■ 14.3588, 18.5461,
25.3316

■ 85.0476, 100.3933,
124.6361

■ 8.4540, 11.3428,
16.1030

■ 109.9759,
128.6196, 158.0591

■ 4.4410, 6.2979,
9.4420

139.3534,
161.6952, 196.9793

■ 1.9545, 3.0270,
4.9298

173.5457,
200.0043, 241.8154

■ 0.6082, 1.1459,
2.1481

212.9179,

■ 0.0000, 0.0168,

243.9314, 292.9859

0.6442

257.8355,
293.8609, 350.9092

■ 0.0000, 0.0000,
0.0000

■ 33.3053, 40.9657,
53.1655

■ 33.3053, 40.9657,
53.1655

■ 30.7073, 39.2116,
52.9645

■ 36.4134, 42.9889,
53.3929

■ 28.5861, 37.7063,
52.7858

■ 40.0553, 45.2905,
53.6452

■ 26.9100, 36.4345,
52.6287

■ 44.2577, 47.8850,
53.9245

■ 25.6418, 35.3772,
52.4914

■ 49.0442, 50.7849,
54.2320

■ 24.7387, 34.5121,
52.3720

■ 54.4373, 54.0016,
54.5686

■ 24.1440, 33.8100,
52.2679

■ 60.4581, 57.5460,
54.9354

■ 23.9626, 33.5736,
52.2318

■ 67.1268, 61.4287,
55.3334

■ 69.2795, 62.9874,
55.5208

■ 69.5848, 63.5979,
55.6225

Harmonies

Analogous

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



32.7551, 40.9657, 43.1187



33.3053, 40.9657, 53.1655



35.3293, 40.9657, 61.9342

Triad

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



33.3053, 40.9657, 53.1655



44.5927, 40.9657, 56.1457



39.4638, 40.9657, 28.3719

Complementary

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



33.3053, 40.9657, 53.1655



31.0315, 26.3123, 20.8968

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.



42.7816, 40.9657, 30.8529



33.3053, 40.9657, 53.1655



45.8508, 40.9657, 46.1244

Square

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



33.3053, 40.9657, 53.1655



41.8212, 40.9657, 63.8235



45.1695, 40.9657, 37.0160



36.1880, 40.9657, 29.6923

Rectangle

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



33.3053, 40.9657, 53.1655



37.3073, 40.9657, 65.3759



45.1695, 40.9657, 37.0160



40.6128, 40.9657, 28.7773

Sweetspot

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



33.3065, 40.9673, 53.1664



75.5121, 83.4562, 96.3301



28.9875, 40.9068, 25.2832



16.4051, 18.2401, 21.1986



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.



33.3065, 40.9673, 53.1664



55.7041, 70.7143, 94.9147



27.2414, 28.8372, 51.1448



9.7470, 10.6862, 12.2211



16.5332, 23.1781, 35.9953



0.6657, 0.9441, 1.4160

Inverse Universe

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



35.5348, 27.1368, 47.6228



60.3713, 42.3987, 83.1572



35.9715, 36.1924, 22.5435



9.8989, 9.6839, 11.8565



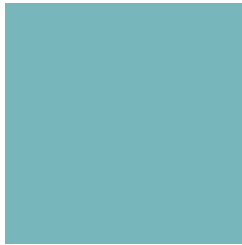
19.3459, 9.3695, 28.1791



0.7669, 0.3707, 1.1519

Previews

White Background



This preview shows how the XYZ color 33.3053, 40.9657, 53.1655 looks on a white background.

Color Contrast Check

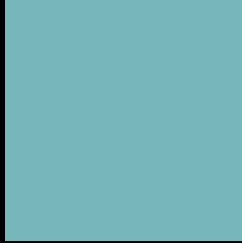
Large Text (above 18pt) WCAG AA × Fail

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 33.3053, 40.9657, 53.1655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

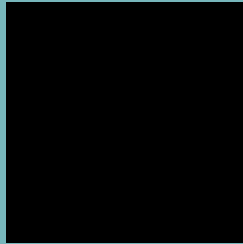
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3053, 40.9657, 53.1655

Background



This preview shows how black text looks on a background with the XYZ color 33.3053, 40.9657, 53.1655.

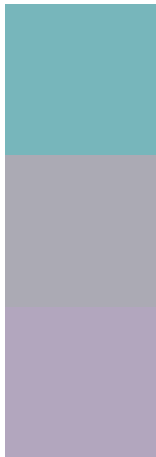


This preview shows how white text looks on a background with the XYZ color 33.3053, 40.9657,

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

33.3053, 40.9657, 53.1655

Protanopia

39.4075, 40.7027, 48.9594

Deuteranopia

41.2906, 40.4551, 54.3476



Tritanopia

34.2594, 41.0528, 57.7481

Trichromacy



Original Color

33.3053, 40.9657, 53.1655

Protanomaly

36.6322, 40.3664, 50.6605

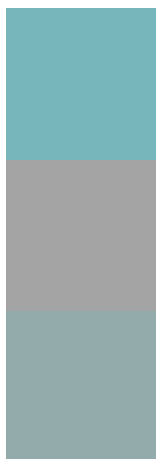
Deuteranomaly

37.8425, 40.3473, 53.9374

Tritanomaly

33.7840, 40.8466, 55.9727

Monochromacy



Original Color

33.3053, 40.9657, 53.1655

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.2220, 38.4003, 44.6380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3053, 40.9657, 53.1655 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, 182, 187)` looks like.

```
.text, #text, p{  
    color:rgb(119, 182, 187)  
}
```

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, 182, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 182, 187) }
```

Border

The CSS property to change the border of an element to XYZ 33.3053, 40.9657, 53.1655 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, 182, 187) }
```


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

```
.border{ border-color:rgb(119, 182, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 182, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 182, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 182, 187);  
box-shadow:4px 4px 4px 4px rgb(119, 182,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3053, 40.9657, 53.1655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 182, 187) }
```

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

```
.background{ background-color: rgb(119,  
182, 187) }
```

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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