

Converting Colors

XYZ(31.3263, 41.8062, 36.5296)

Have a look what the booklet for
XYZ(31.3263, 41.8062, 36.5296)
contains.

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Color

**XYZ(31.4053, 41.9055,
36.5703)**

Conversions

Conversions Part 1

Format	Color
Hex	79BB99
RGB	121, 187, 153
RGB Percent	47%, 73%, 60%
CMY	0.5255, 0.2667, 0.4000
CMYK	0.35, 0.00, 0.18, 0.27
HSL	149°, 33%, 60%
HSV	149°, 35%, 73%
XYZ	31.4053, 41.9055, 36.5703
YIQ	163.3900, -28.4220, -24.5660

Conversions

Conversions Part 2

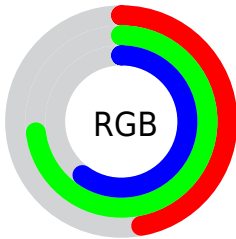
Format	Color
RYB	121, 165, 187
Decimal	7977881
CIELab	70.81, -28.50, 10.64
CIELCh	71, 30.418, 159.521
Yxy	41.9055, 0.2858, 0.3814
Android (android.graphics.Color)	4286167961 (0xFF79BB99)
YUV	163.3900, -5.1223, -37.1760
Hunter-Lab	64.7345, -26.6877, 11.8195

Details

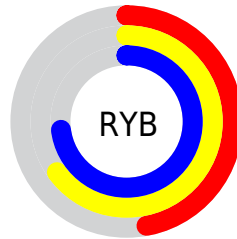
The XYZ color **31.4053, 41.9055, 36.5703** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.2488, 26.6072, 34.3955**, and the grayscale version is **35.0312, 36.8555, 40.1357**.

A 20% lighter version of the original color is **60.9923, 77.7201, 70.8183**, and **13.2400, 18.9996, 15.5398** is the 20% darker color. If you saturate the color by 10%, you get **28.2707, 40.3789, 32.4367**, and if you desaturate by 10%, it is **35.1145, 43.7231, 41.0680**.

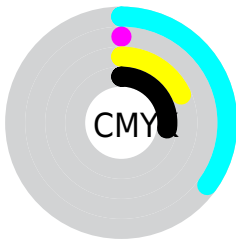
Distribution



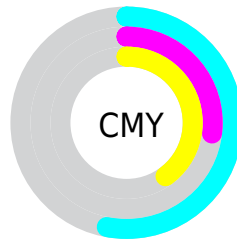
- Red (47%)
- Green (73%)
- Blue (60%)



- Red (47%)
- Yellow (65%)
- Blue (73%)



- Cyan (35%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)



- Cyan (53%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4053, 41.9055, 36.5703 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 31.4053, 41.9055, 36.5703 by changing the saturation by 10% instead.

■ 31.4053, 41.9055,
36.5703

■ 31.4053, 41.9055,
36.5703

300.1949,
354.0910, 346.5589

■ 21.0610, 29.0273,
24.5818

■ 61.2491, 78.0566,
71.0903

■ 13.2813, 19.1015,
15.5496

■ 81.4794, 102.0983,
94.4589

■ 7.7009, 11.7436,
9.0551

■ 105.7356,
130.6299, 122.4580

■ 3.9543, 6.5694,
4.6798

134.3833,
164.0359, 155.5060

■ 1.6763, 3.1943,
2.0052

167.7877,
202.7006, 194.0216

■ 0.4414, 1.2340,
0.5585

206.3142,

■ 0.0000, 0.0892,

247.0084, 238.4233

0.0000

250.3281,
297.3438, 289.1295

■ 0.0000, 0.0000,
0.0000

■ 31.4053, 41.9055,
36.5703

■ 31.4053, 41.9055,
36.5703

■ 28.2707, 40.3789,
32.4367

■ 35.1145, 43.7231,
41.0680

■ 25.6762, 39.1224,
28.6551

■ 39.4233, 45.8411,
45.9359

■ 23.5889, 38.1204,
25.2166


■ 44.3596, 48.2748,
51.1835


■ 21.9707, 37.3532,
22.1109


■ 49.9482, 51.0369,
56.8193


■ 20.7776, 36.7985,
19.3271


■ 56.2127, 54.1394,
62.8511

 19.9558, 36.4288,
16.8534

 63.1755, 57.5936,
69.2868

 19.6450, 36.2917,
15.7914

 70.8579, 61.4104,
76.1341

 73.3042, 62.5194,
83.1204

 74.6957, 63.0760,
90.4478

Harmonies

Analogous

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



33.9626, 41.9055, 27.3563



31.4053, 41.9055, 36.5703



30.9973, 41.9055, 50.3860

Triad

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



31.4053, 41.9055, 36.5703



41.4584, 41.9055, 78.9318



47.8030, 41.9055, 30.1153

Complementary

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



31.4053, 41.9055, 36.5703



33.2488, 26.6072, 34.3955

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.



50.1987, 41.9055, 41.1793



31.4053, 41.9055, 36.5703



46.3368, 41.9055, 70.6286

Square

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



31.4053, 41.9055, 36.5703



36.5271, 41.9055, 76.9668



49.6406, 41.9055, 56.0698



43.3261, 41.9055, 24.2132

Rectangle

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



31.4053, 41.9055, 36.5703



31.9609, 41.9055, 60.7547



49.6406, 41.9055, 56.0698



48.8949, 41.9055, 33.2468

Sweetspot

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



31.4064, 41.9072, 36.5712



74.1044, 83.8221, 86.0528



34.7597, 43.9014, 24.7317



16.0596, 18.3312, 18.6720



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.



31.4064, 41.9072, 36.5712



52.0032, 72.9830, 59.9663



34.5092, 43.1483, 52.9103



9.5963, 10.7246, 11.1236



13.5712, 25.0188, 11.0706



0.5647, 0.9932, 0.6078

Inverse Universe

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



33.2488, 26.6072, 34.3955



55.7727, 41.6724, 55.5100



30.8512, 25.6482, 21.7702



9.7298, 9.6162, 10.9662



15.6223, 7.8801, 8.5707



0.6449, 0.3218, 0.5092

Previews

White Background



This preview shows how the XYZ color 31.4053, 41.9055, 36.5703 looks on a white background.

Color Contrast Check

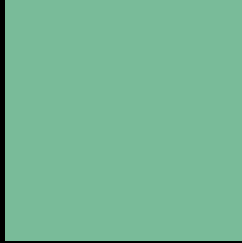
Large Text (above 18pt) WCAG AA × Fail

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 31.4053, 41.9055, 36.5703 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

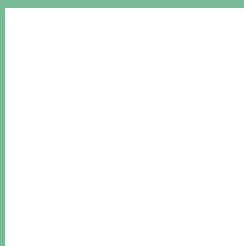
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4053, 41.9055, 36.5703

Background



This preview shows how black text looks on a background with the XYZ color 31.4053, 41.9055, 36.5703.

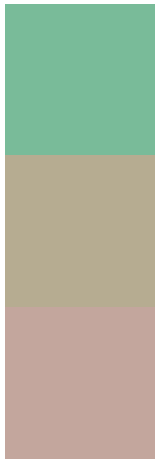


This preview shows how white text looks on a background with the XYZ color 31.4053, 41.9055,

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

31.4053, 41.9055, 36.5703

Protanopia

39.1548, 41.4945, 32.7336

Deuteranopia

42.2277, 41.3089, 37.6461



Tritanopia

35.6936, 41.7791, 58.4075

Trichromacy



Original Color

31.4053, 41.9055, 36.5703

Protanomaly

35.5646, 41.0560, 34.0671

Deuteranomaly

37.2853, 40.9972, 37.4006

Tritanomaly

33.9241, 41.6743, 49.4360

Monochromacy



Original Color

31.4053, 41.9055, 36.5703

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.2233, 38.3042, 38.4433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4053, 41.9055, 36.5703 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(121, 187, 153)` looks like.

```
.text, #text, p{  
    color:rgb(121, 187, 153)  
}
```

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(121, 187, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 187, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.4053, 41.9055, 36.5703 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(121, 187, 153) }
```


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

```
.border{ border-color:rgb(121, 187, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 187, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 187, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 187, 153);  
box-shadow:4px 4px 4px 4px rgb(121, 187,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4053, 41.9055, 36.5703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 187, 153) }
```

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

```
.background{ background-color: rgb(121,  
187, 153) }
```

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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