

Converting Colors

XYZ(29.9890, 39.2060, 41.5371)

Have a look what the booklet for
XYZ(29.9890, 39.2060, 41.5371)
contains.

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Color

**XYZ(29.9975, 39.2091,
41.5844)**

Conversions

Conversions Part 1

Format	Color
Hex	70B5A5
RGB	112, 181, 165
RGB Percent	44%, 71%, 65%
CMY	0.5608, 0.2902, 0.3529
CMYK	0.38, 0.00, 0.09, 0.29
HSL	166°, 32%, 57%
HSV	166°, 38%, 71%
XYZ	29.9975, 39.2091, 41.5844
YIQ	158.5450, -35.9880, -19.6040

Conversions

Conversions Part 2

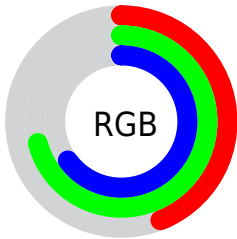
Format	Color
RYB	112, 151, 181
Decimal	7386533
CIELab	68.90, -25.54, 1.28
CIElCh	69, 25.568, 177.137
Yxy	39.2091, 0.2708, 0.3539
Android (android.graphics.Color)	4285576613 (0xFF70B5A5)
YUV	158.5450, 3.1823, -40.8200
Hunter-Lab	62.6172, -24.0675, 4.4572

Details

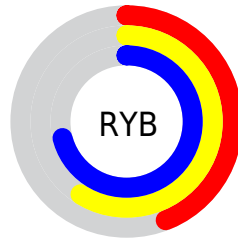
The XYZ color **29.9975, 39.2091, 41.5844** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.7479, 22.9717, 23.3424**, and the grayscale version is **32.7456, 34.4510, 37.5171**.

A 20% lighter version of the original color is **58.9283, 73.8427, 78.8574**, and **12.5034, 17.5604, 18.3533** is the 20% darker color. If you saturate the color by 10%, you get **27.5463, 37.9899, 39.5085**, and if you desaturate by 10%, it is **32.9264, 40.6751, 43.7498**.

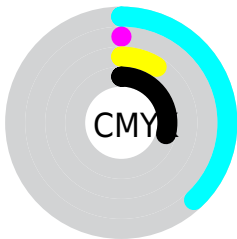
Distribution



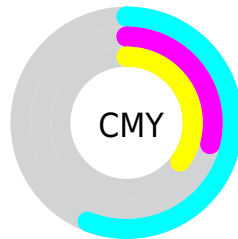
- Red (44%)
- Green (71%)
- Blue (65%)



- Red (44%)
- Yellow (59%)
- Blue (71%)



- Cyan (38%)
- Magenta (0%)
- Yellow (9%)
- Black (29%)



- Cyan (56%)
- Magenta (29%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9975, 39.2091, 41.5844 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 29.9975, 39.2091, 41.5844 by changing the saturation by 10% instead.

■ 29.9975, 39.2091,
41.5844

■ 29.9975, 39.2091,
41.5844

293.8028,
342.7787, 368.5059

■ 19.9848, 26.9224,
28.4529

■ 59.0449, 73.9576,
78.8335

■ 12.4922, 17.5150,
18.4253

■ 78.8102, 97.1883,
103.7882

■ 7.1544, 10.6023,
11.0832

■ 102.5571,
124.8358, 133.5210

■ 3.6060, 5.8001,
6.0079

■ 130.6510,
157.2844, 168.4505

■ 1.4818, 2.7239,
2.7810

■ 163.4571,
194.9186, 208.9952

■ 0.3134, 0.9894,
0.9839

201.3409,

■ 0.0000, 0.0000,

238.1228, 255.5736

0.0000

244.6677,
287.2814, 308.6044

■ 29.9975, 39.2091,
41.5844

■ 29.9975, 39.2091,
41.5844

■ 27.5463, 37.9899,
39.5085

■ 32.9264, 40.6751,
43.7498

■ 25.5415, 36.9984,
37.5175

■ 36.3553, 42.3965,
46.0039

■ 23.9532, 36.2201,
35.6102

■ 40.3093, 44.3870,
48.3492

■ 22.7462, 35.6371,
33.7843

■ 44.8106, 46.6582,
50.7875

■ 21.8796, 35.2281,
32.0374

■ 49.8801, 49.2208,
53.3202

■ 21.2872, 34.9591,
30.3655

■ 55.5378, 52.0851,
55.9488

■ 21.1867, 34.9140,
30.0589

■ 61.8025, 55.2608,
58.6749

■ 68.0249, 58.4133,
61.4686

■ 68.5179, 58.6104,
64.0643

Harmonies

Analogous

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



31.0836, 39.2091, 31.6674



29.9975, 39.2091, 41.5844



30.7391, 39.2091, 53.7300

Triad

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



29.9975, 39.2091, 41.5844



40.9446, 39.2091, 65.8544



41.6683, 39.2091, 26.5237

Complementary

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



29.9975, 39.2091, 41.5844



28.7479, 22.9717, 23.3424

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.



44.6594, 39.2091, 33.2799



29.9975, 39.2091, 41.5844



44.2207, 39.2091, 56.0177

Square

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



29.9975, 39.2091, 41.5844



36.8783, 39.2091, 69.1584



45.6254, 39.2091, 43.8192



37.6586, 39.2091, 24.0207

Rectangle

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



29.9975, 39.2091, 41.5844



32.2022, 39.2091, 61.2778



45.6254, 39.2091, 43.8192



42.8370, 39.2091, 28.3047

Sweetspot

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



29.9986, 39.2107, 41.5853



69.9194, 78.3488, 85.2852



28.3669, 38.8162, 21.3271



14.9054, 16.8299, 18.3120



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.9986, 39.2107, 41.5853



49.8791, 68.3076, 71.2502



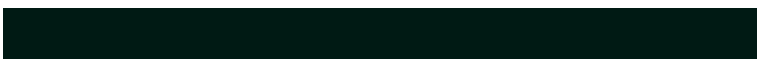
28.0501, 32.8349, 48.5772



8.6567, 9.5972, 10.4517



14.6327, 24.0790, 20.8662



0.4810, 0.7659, 0.7651

Inverse Universe

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



28.7479, 22.9717, 23.3424



47.3215, 34.9489, 33.8334



30.0179, 27.0667, 18.9722



8.5744, 8.5365, 9.2574



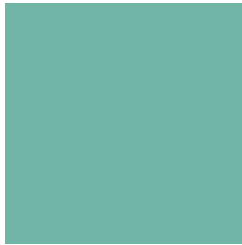
13.4475, 6.8965, 2.2503



0.4457, 0.2260, 0.1900

Previews

White Background



This preview shows how the XYZ color 29.9975, 39.2091, 41.5844 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 29.9975, 39.2091, 41.5844 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

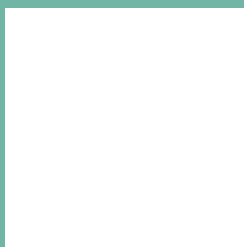
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9975, 39.2091, 41.5844

Background



This preview shows how black text looks on a background with the XYZ color 29.9975, 39.2091, 41.5844.



This preview shows how white text looks on a background with the XYZ color 29.9975, 39.2091,

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

29.9975, 39.2091, 41.5844

Protanopia

37.1381, 38.9560, 37.4602

Deuteranopia

39.6102, 38.7725, 42.9323



Tritanopia

32.7339, 39.1278, 55.1174

Trichromacy



Original Color

29.9975, 39.2091, 41.5844

Protanomaly

33.8602, 38.6224, 38.9280

Deuteranomaly

35.1605, 38.3712, 42.5990

Tritanomaly

31.5664, 38.9312, 50.1067

Monochromacy



Original Color

29.9975, 39.2091, 41.5844

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.4071, 35.9614, 39.0041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9975, 39.2091, 41.5844 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(112, 181, 165)` looks like.

```
.text, #text, p{  
    color:rgb(112, 181, 165)  
}
```

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(112, 181, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 181, 165) }
```

Border

The CSS property to change the border of an element to XYZ 29.9975, 39.2091, 41.5844 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(112, 181, 165) }
```


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

```
.border{ border-color:rgb(112, 181, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 181, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 181, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 181, 165);  
box-shadow:4px 4px 4px 4px rgb(112, 181,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9975, 39.2091, 41.5844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 181, 165) }
```

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

```
.background{ background-color: rgb(112,  
181, 165) }
```

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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