

Converting Colors

XYZ(33.2715, 42.9149, 54.3881)

Have a look what the booklet for
XYZ(33.2715, 42.9149, 54.3881)
contains.

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Color

**XYZ(33.1237, 42.7231,
54.0775)**

Conversions

Conversions Part 1

Format	Color
Hex	6BBCBC
RGB	107, 188, 188
RGB Percent	42%, 74%, 74%
CMY	0.5804, 0.2627, 0.2627
CMYK	0.43, 0.00, 0.00, 0.26
HSL	180°, 38%, 58%
HSV	180°, 43%, 74%
XYZ	33.1237, 42.7231, 54.0775
YIQ	163.7810, -48.2760, -17.1720

Conversions

Conversions Part 2

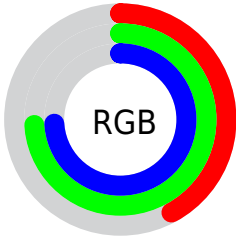
Format	Color
RYB	107, 148, 188
Decimal	7060668
CIELab	71.37, -24.72, -7.75
CIELCh	71, 25.907, 197.414
Yxy	42.7231, 0.2549, 0.3288
Android (android.graphics.Color)	4285250748 (0xFF6BBCBC)
YUV	163.7810, 11.9400, -49.7969
Hunter-Lab	65.3629, -23.9274, -3.2991

Details

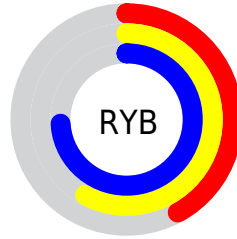
The XYZ color **33.1237, 42.7231, 54.0775** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.6520, 22.2695, 16.6997**, and the grayscale version is **35.1451, 36.9753, 40.2662**.

A 20% lighter version of the original color is **63.7841, 79.0196, 97.4785**, and **14.2137, 19.4776, 25.9321** is the 20% darker color. If you saturate the color by 10%, you get **31.1049, 41.6834, 53.9837**, and if you desaturate by 10%, it is **35.6365, 44.0195, 54.1963**.

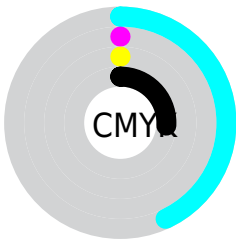
Distribution



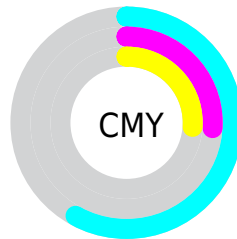
- Red (42%)
- Green (74%)
- Blue (74%)



- Red (42%)
- Yellow (58%)
- Blue (74%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)



- Cyan (58%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1237, 42.7231, 54.0775 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 33.1237, 42.7231, 54.0775 by changing the saturation by 10% instead.

■ 33.1237, 42.7231,
54.0775

■ 33.1237, 42.7231,
54.0775

307.8619,
357.4718, 419.5884

■ 22.3809, 29.6679,
38.2700

■ 63.9220, 79.2928,
97.6456

■ 14.2552, 19.5867,
25.8889

■ 84.7082, 103.5762,
126.2433

■ 8.3813, 12.0949,
16.5155

■ 109.5729,
132.3710, 159.9414

■ 4.3937, 6.8084,
9.7314

■ 138.8816,
166.0618, 199.1586

■ 1.9272, 3.3425,
5.1180

172.9994,
205.0329, 244.3134

■ 0.5926, 1.3131,
2.2567

212.2918,

■ 0.0000, 0.1513,

249.6686, 295.8242

0.7068

257.1242,
300.3535, 354.1098

■ 0.0000, 0.0000,
0.0000

■ 33.1237, 42.7231,
54.0775

■ 33.1237, 42.7231,
54.0775

■ 31.1049, 41.6834,
53.9837

■ 35.6365, 44.0195,
54.1963

■ 29.5440, 40.8787,
53.9104

■ 38.6687, 45.5826,
54.3385

■ 28.4063, 40.2922,
53.8568

■ 42.2485, 47.4281,
54.5063

■ 27.6505, 39.9026,
53.8212

■ 46.4011, 49.5689,
54.7009

■ 27.2269, 39.6842,
53.8011

■ 51.1502, 52.0171,
54.9234

■ 27.0609, 39.5987,
53.7931

■ 56.5178, 54.7842,
55.1749

■ 62.5251, 57.8811,
55.4563

■ 68.3016, 60.8589,
55.7269

■ 68.3016, 60.8590,
55.7272

Harmonies

Analogous

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



32.9644, 42.7231, 41.4815



33.1237, 42.7231, 54.0775



35.1956, 42.7231, 66.5224

Triad

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



33.1237, 42.7231, 54.0775



47.0954, 42.7231, 64.7242



42.4608, 42.7231, 26.8049

Complementary

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



33.1237, 42.7231, 54.0775



28.6520, 22.2695, 16.6997

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.



46.5465, 42.7231, 30.9896



33.1237, 42.7231, 54.0775



49.3480, 42.7231, 51.9469

Square

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



33.1237, 42.7231, 54.0775



43.1672, 42.7231, 73.3844



49.1402, 42.7231, 39.6984



38.1501, 42.7231, 27.1689

Rectangle

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



33.1237, 42.7231, 54.0775



37.4725, 42.7231, 72.3851



49.1402, 42.7231, 39.6984



43.9117, 42.7231, 27.6898

Sweetspot

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



33.1250, 42.7248, 54.0785



76.4763, 85.9067, 98.7765



26.8653, 40.2398, 20.2619



16.1188, 18.3053, 21.2261



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.



33.1250, 42.7248, 54.0785



56.4464, 75.5809, 97.8371



25.8655, 28.2055, 51.6598



9.8086, 10.8096, 12.2416



18.4237, 26.9598, 36.6238



0.7217, 1.0560, 1.4346

Inverse Universe

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



28.6520, 22.2695, 16.6997



47.2474, 33.5132, 20.9649



33.6964, 32.3585, 18.3806



9.5302, 9.5364, 9.9151



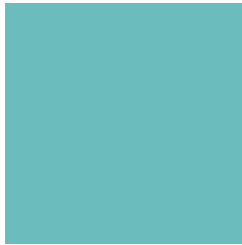
14.1203, 7.2793, 0.6609



0.5531, 0.2851, 0.0259

Previews

White Background



This preview shows how the XYZ color 33.1237, 42.7231, 54.0775 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 33.1237, 42.7231, 54.0775 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 33.1237, 42.7231, 54.0775

Background



This preview shows how black text looks on a background with the XYZ color 33.1237, 42.7231, 54.0775.

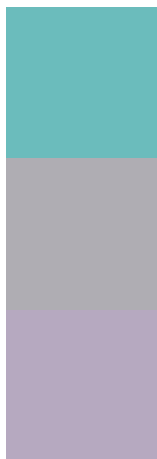


This preview shows how white text looks on a background with the XYZ color 33.1237, 42.7231,

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

33.1237, 42.7231, 54.0775

Protanopia

40.7594, 42.2558, 48.6558

Deuteranopia

42.9938, 42.1268, 55.7344



Tritanopia

34.6571, 42.7144, 61.6764

Trichromacy



Original Color

33.1237, 42.7231, 54.0775

Protanomaly

36.9416, 41.7022, 50.3583

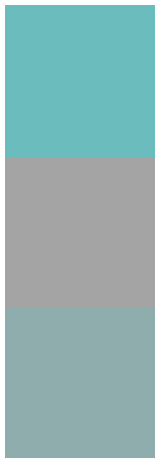
Deuteranomaly

38.4469, 41.7808, 55.3284

Tritanomaly

34.1645, 42.8412, 58.6931

Monochromacy



Original Color

33.1237, 42.7231, 54.0775

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.8141, 38.7439, 45.2313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1237, 42.7231, 54.0775 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(107, 188, 188)` looks like.

```
.text, #text, p{  
    color:rgb(107, 188, 188)  
}
```

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(107, 188, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 188, 188) }
```

Border

The CSS property to change the border of an element to XYZ 33.1237, 42.7231, 54.0775 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(107, 188, 188) }
```


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

```
.border{ border-color:rgb(107, 188, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 188, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 188, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 188, 188);  
box-shadow:4px 4px 4px 4px rgb(107, 188,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1237, 42.7231, 54.0775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 188, 188) }
```

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

```
.background{ background-color: rgb(107,  
188, 188) }
```

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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