

Converting Colors

XYZ(33.7101, 46.5242, 61.1910)

Have a look what the booklet for
XYZ(33.7101, 46.5242, 61.1910)
contains.

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Color

**XYZ(33.7127, 46.5069,
61.2327)**

Conversions

Conversions Part 1

Format	Color
Hex	4CC7C7
RGB	76, 199, 199
RGB Percent	30%, 78%, 78%
CMY	0.7019, 0.2196, 0.2196
CMYK	0.62, 0.00, 0.00, 0.22
HSL	180°, 52%, 54%
HSV	180°, 62%, 78%
XYZ	33.7127, 46.5069, 61.2327
YIQ	162.2230, -73.3080, -26.0760

Conversions

Conversions Part 2

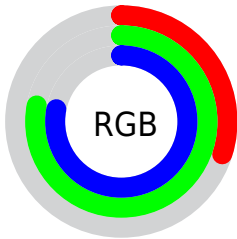
Format	Color
RYB	76, 138, 199
Decimal	5031879
CIELab	73.87, -33.45, -10.13
CIELCh	74, 34.951, 196.848
Yxy	46.5069, 0.2383, 0.3288
Android (android.graphics.Color)	4283221959 (0xFF4CC7C7)
YUV	162.2230, 18.1311, -75.6176
Hunter-Lab	68.1960, -31.1014, -5.4989

Details

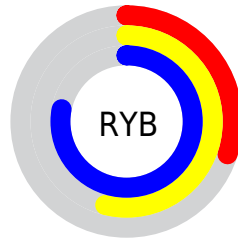
The XYZ color **33.7127, 46.5069, 61.2327** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.4437, 17.8342, 8.8348**, and the grayscale version is **34.3909, 36.1819, 39.4021**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **15.2362, 22.2951, 30.2884** is the 20% darker color. If you saturate the color by 10%, you get **32.3699, 45.8157, 61.1707**, and if you desaturate by 10%, it is **35.5472, 47.4537, 61.3198**.

Distribution



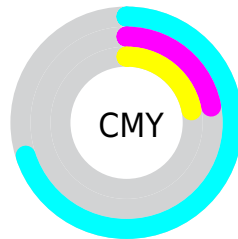
- Red (30%)
- Green (78%)
- Blue (78%)



- Red (30%)
- Yellow (54%)
- Blue (78%)



- Cyan (62%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)



- Cyan (70%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7127, 46.5069, 61.2327 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 33.7127, 46.5069, 61.2327 by changing the saturation by 10% instead.

33.7127, 46.5069,
61.2327

33.7127, 46.5069,
61.2327

310.4576,
372.8428, 447.0569

22.8348, 32.6460,
43.9812

64.8339, 84.9771,
108.1766

14.5916, 21.8554,
30.3187

85.8079, 110.3552,
138.7061

8.6177, 13.7507,
19.8265

110.8781,
140.3412, 174.4987

4.5478, 7.9475,
12.0862

140.4097,
175.3194, 215.9729

2.0165, 4.0614,
6.6791

174.7680,
215.6743, 263.5473

0.6432, 1.7079,
3.1869

214.3186,

0.0000, 0.4288,

261.7902, 317.6404

1.1908

259.4267,
314.0516, 378.6707

■ 0.0000, 0.0000,
0.0000

■ 33.7127, 46.5069,
61.2327

■ 33.7127, 46.5069,
61.2327

■ 32.3699, 45.8157,
61.1707

■ 35.5472, 47.4537,
61.3198

■ 31.4678, 45.3507,
61.1283

■ 37.9100, 48.6717,
61.4305

■ 30.9520, 45.0847,
61.1040

■ 40.8391, 50.1817,
61.5678

■ 30.7330, 44.9719,
61.0936

■ 44.3677, 52.0008,
61.7331

■ 48.5267, 54.1448,
61.9279

■ 53.3446, 56.6285,
62.1536

■ 58.8483, 59.4658,
62.4114

■ 65.0633, 62.6697,
62.7024

■ 71.9734, 66.2320,
63.0260

Harmonies

Analogous

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



33.5463, 46.5069, 43.2346



33.7127, 46.5069, 61.2327



36.5149, 46.5069, 79.9755

Triad

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



33.7127, 46.5069, 61.2327



53.5192, 46.5069, 77.8751



46.9821, 46.5069, 24.0634

Complementary

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



33.7127, 46.5069, 61.2327



27.4437, 17.8342, 8.8348

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.



52.9018, 46.5069, 29.5279



33.7127, 46.5069, 61.2327



56.9078, 46.5069, 58.8419

Square

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



33.7127, 46.5069, 61.2327



47.7626, 46.5069, 91.0223



56.6718, 46.5069, 41.3420



40.8256, 46.5069, 24.4134

Rectangle

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



33.7127, 46.5069, 61.2327



39.6641, 46.5069, 89.1301



56.6718, 46.5069, 41.3420



49.0765, 46.5069, 25.2145

Sweetspot

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



33.7141, 46.5087, 61.2338



79.4165, 91.9406, 108.1677



24.8754, 42.9923, 13.8259



16.5734, 19.4600, 23.1324



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.7141, 46.5087, 61.2338



56.0766, 79.9085, 107.0736



22.6033, 24.2867, 57.5313



10.9468, 12.0676, 13.6698



19.7613, 28.9169, 39.2832



0.9357, 1.3692, 1.8601

Inverse Universe

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



27.4437, 17.8342, 8.8348



44.1981, 25.5885, 7.8108



33.5863, 30.1195, 10.8820



10.6339, 10.6369, 11.0555



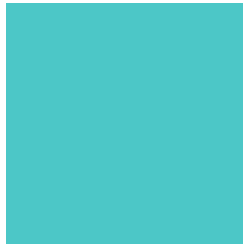
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 33.7127, 46.5069, 61.2327 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 33.7127, 46.5069, 61.2327 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

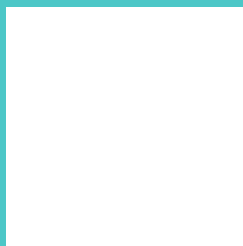
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7127, 46.5069, 61.2327

Background



This preview shows how black text looks on a background with the XYZ color 33.7127, 46.5069, 61.2327.

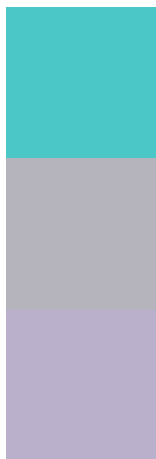


This preview shows how white text looks on a background with the XYZ color 33.7127, 46.5069,

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

33.7127, 46.5069, 61.2327

Protanopia

44.1458, 45.6518, 53.4987

Deuteranopia

46.9179, 45.9751, 63.5280



Tritanopia

35.4562, 46.5304, 70.0633

Trichromacy



Original Color

33.7127, 46.5069, 61.2327

Protanomaly

38.2906, 44.7190, 55.9037

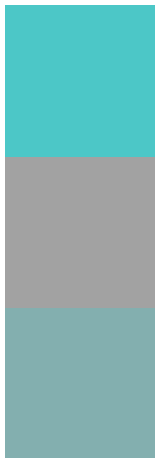
Deuteranomaly

39.8338, 44.7483, 62.4149

Tritanomaly

34.8875, 46.6477, 66.8397

Monochromacy



Original Color

33.7127, 46.5069, 61.2327

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.4279, 38.5804, 46.2951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7127, 46.5069, 61.2327 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(76, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(76, 199, 199)  
}
```

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(76, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 199, 199) }
```

Border

The CSS property to change the border of an element to XYZ 33.7127, 46.5069, 61.2327 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(76, 199, 199) }
```


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

```
.border{ border-color:rgb(76, 199, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(76, 199,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7127, 46.5069, 61.2327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 199, 199) }
```

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

```
.background{ background-color: rgb(76, 199,  
199) }
```

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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