

Converting Colors

XYZ(33.2037, 46.3112, 61.3455)

Have a look what the booklet for
XYZ(33.2037, 46.3112, 61.3455)
contains.

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Color

**XYZ(33.1161, 46.1993,
61.2048)**

Conversions

Conversions Part 1

Format	Color
Hex	44C7C7
RGB	68, 199, 199
RGB Percent	27%, 78%, 78%
CMY	0.7333, 0.2196, 0.2196
CMYK	0.66, 0.00, 0.00, 0.22
HSL	180°, 54%, 52%
HSV	180°, 66%, 78%
XYZ	33.1161, 46.1993, 61.2048
YIQ	159.8310, -78.0760, -27.7720

Conversions

Conversions Part 2

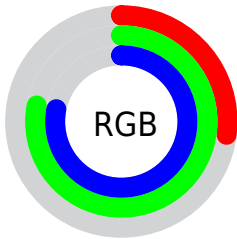
Format	Color
RYB	68, 134, 199
Decimal	4507591
CIELab	73.67, -34.70, -10.45
CIELCh	74, 36.234, 196.758
Yxy	46.1993, 0.2357, 0.3288
Android (android.graphics.Color)	4282697671 (0xFF44C7C7)
YUV	159.8310, 19.3103, -80.5358
Hunter-Lab	67.9701, -31.9796, -5.8096

Details

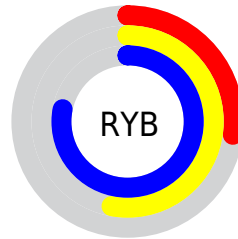
The XYZ color **33.1161, 46.1993, 61.2048** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.6652, 16.6951, 7.2873**, and the grayscale version is **33.2770, 35.0100, 38.1259**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **15.0841, 21.9909, 30.2377** is the 20% darker color. If you saturate the color by 10%, you get **31.9570, 45.6028, 61.1514**, and if you desaturate by 10%, it is **34.7489, 47.0421, 61.2824**.

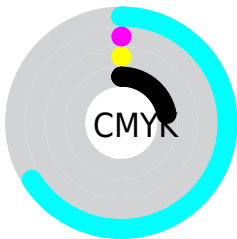
Distribution



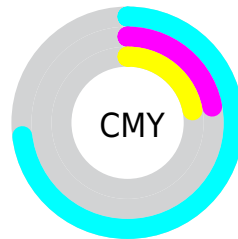
- Red (27%)
- Green (78%)
- Blue (78%)



- Red (27%)
- Yellow (53%)
- Blue (78%)



- Cyan (66%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)



- Cyan (73%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1161, 46.1993, 61.2048 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 33.1161, 46.1993, 61.2048 by changing the saturation by 10% instead.

■ 33.1161, 46.1993,
61.2048

■ 33.1161, 46.1993,
61.2048

307.8283,
371.6093, 446.9518

■ 22.3751, 32.4031,
43.9588

■ 63.9102, 84.5172,
108.1358

■ 14.2509, 21.6696,
30.3012

■ 84.6940, 109.8077,
138.6580

■ 8.3782, 13.6143,
19.8133

■ 109.5561,
139.6984, 174.4426

■ 4.3917, 7.8529,
12.0767

■ 138.8618,
174.5738, 215.9083

■ 1.9261, 4.0010,
6.6728

172.9765,
214.8181, 263.4735

■ 0.5919, 1.6741,
3.1830

212.2656,

■ 0.0000, 0.4068,

260.8159, 317.5568

1.1888

257.0944,
312.9515, 378.5767

■ 0.0000, 0.0000,
0.0000

■ 33.1161, 46.1993,
61.2048

■ 33.1161, 46.1993,
61.2048

■ 31.9570, 45.6028,
61.1514

■ 34.7489, 47.0421,
61.2824

■ 31.2176, 45.2216,
61.1167

■ 36.8941, 48.1480,
61.3830

■ 30.8370, 45.0254,
61.0987

■ 39.5914, 49.5385,
61.5093

■ 30.7330, 44.9718,
61.0938

■ 42.8752, 51.2313,
61.6632

■ 46.7773, 53.2429,
61.8459

■ 51.3270, 55.5884,
62.0590

■ 56.5519, 58.2819,
62.3037

■ 62.4780, 61.3369,
62.5812

■ 69.1299, 64.7661,
62.8926

Harmonies

Analogous

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



32.9539, 46.1993, 42.6289



33.1161, 46.1993, 61.2048



35.9826, 46.1993, 80.7151

Triad

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



33.1161, 46.1993, 61.2048



53.5351, 46.1993, 78.6307



46.8010, 46.1993, 23.1332

Complementary

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



33.1161, 46.1993, 61.2048



26.6652, 16.6951, 7.2873

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.



52.9261, 46.1993, 28.6879



33.1161, 46.1993, 61.2048



57.0620, 46.1993, 58.8473

Square

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



33.1161, 46.1993, 61.2048



47.5687, 46.1993, 92.3357



56.8288, 46.1993, 40.7796



40.4459, 46.1993, 23.4694

Rectangle

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



33.1161, 46.1993, 61.2048



39.2159, 46.1993, 90.2996



56.8288, 46.1993, 40.7796



48.9667, 46.1993, 24.3021

Sweetspot

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



33.1175, 46.2010, 61.2059



78.7117, 91.5773, 108.1348



24.0073, 42.5749, 12.4225



16.4366, 19.3895, 23.1261



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.



33.1175, 46.2010, 61.2059



55.3069, 79.5117, 107.0379



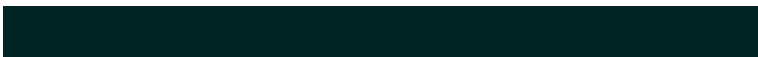
21.4539, 22.8735, 57.3190



10.9468, 12.0676, 13.6698



19.7613, 28.9169, 39.2834



0.9357, 1.3692, 1.8601

Inverse Universe

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



26.6652, 16.6951, 7.2873



43.1937, 24.1188, 5.8140



32.7572, 28.8792, 9.3177



10.6339, 10.6369, 11.0555



15.1453, 7.8077, 0.7088



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 33.1161, 46.1993, 61.2048 looks on a white background.

Color Contrast Check

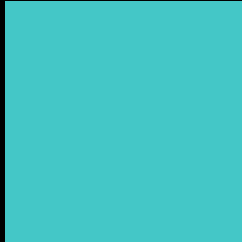
Large Text (above 18pt) WCAG AA × Fail

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 33.1161, 46.1993, 61.2048 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

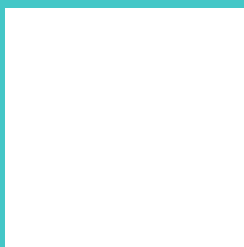
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1161, 46.1993, 61.2048

Background



This preview shows how black text looks on a background with the XYZ color 33.1161, 46.1993, 61.2048.

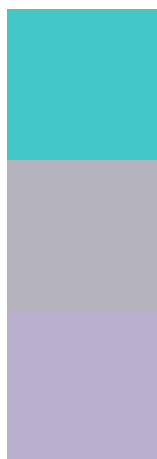


This preview shows how white text looks on a background with the XYZ color 33.1161, 46.1993,

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

33.1161, 46.1993, 61.2048

Protanopia

44.1458, 45.6518, 53.4987

Deuteranopia

46.4788, 45.4587, 63.4514



Tritanopia

34.8781, 46.2325, 70.0363

Trichromacy



Original Color

33.1161, 46.1993, 61.2048



Protanomaly

37.7781, 44.4548, 55.8797



Deuteranomaly

39.1289, 44.3849, 62.3819



Tritanomaly

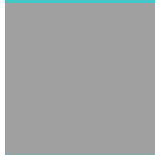
34.2517, 46.3200, 66.8099

Monochromacy



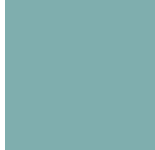
Original Color

33.1161, 46.1993, 61.2048



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.5284, 37.8401, 45.6865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1161, 46.1993, 61.2048 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(68, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(68, 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(68, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 199, 199) }
```

Border

The CSS property to change the border of an element to XYZ 33.1161, 46.1993, 61.2048 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(68, 199, 199) }
```


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

```
.border{ border-color:rgb(68, 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(68, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(68, 199,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1161, 46.1993, 61.2048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 199, 199) }
```

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

```
.background{ background-color: rgb(68, 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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