

Converting Colors

XYZ(33.8329, 46.5705, 61.2314)

Have a look what the booklet for
XYZ(33.8329, 46.5705, 61.2314)
contains.

XYZ(33.8741, 46.5901, 61.2403)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.8741, 46.5901,
61.2403)**

Conversions

Conversions Part 1

Format	Color
Hex	4EC7C7
RGB	78, 199, 199
RGB Percent	31%, 78%, 78%
CMY	0.6941, 0.2196, 0.2196
CMYK	0.61, 0.00, 0.00, 0.22
HSL	180°, 52%, 54%
HSV	180°, 61%, 78%
XYZ	33.8741, 46.5901, 61.2403
YIQ	162.8210, -72.1160, -25.6520

Conversions

Conversions Part 2

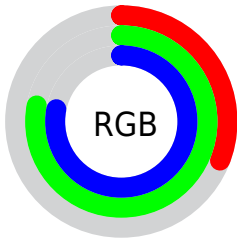
Format	Color
RYB	78, 139, 199
Decimal	5162951
CIELab	73.93, -33.12, -10.04
CIElCh	74, 34.608, 196.872
Yxy	46.5901, 0.2390, 0.3288
Android (android.graphics.Color)	4283353031 (0xFF4EC7C7)
YUV	162.8210, 17.8362, -74.3880
Hunter-Lab	68.2569, -30.8649, -5.4153

Details

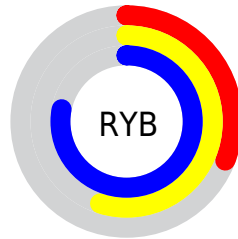
The XYZ color **33.8741, 46.5901, 61.2403** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.6543, 18.1423, 9.2534**, and the grayscale version is **34.6727, 36.4784, 39.7249**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **15.2362, 22.2951, 30.2884** is the 20% darker color. If you saturate the color by 10%, you get **32.4842, 45.8746, 61.1761**, and if you desaturate by 10%, it is **35.7601, 47.5634, 61.3298**.

Distribution



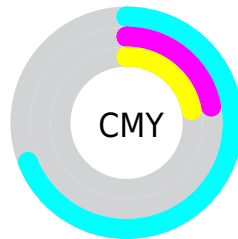
- Red (31%)
- Green (78%)
- Blue (78%)



- Red (31%)
- Yellow (55%)
- Blue (78%)



- Cyan (61%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)



- Cyan (69%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8741, 46.5901, 61.2403 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 33.8741, 46.5901, 61.2403 by changing the saturation by 10% instead.

33.8741, 46.5901,
61.2403

33.8741, 46.5901,
61.2403

311.1661,
373.1760, 447.0855

22.9593, 32.7117,
43.9873

65.0834, 85.1014,
108.1877

14.6840, 21.9057,
30.3234

86.1087, 110.5032,
138.7192

8.6828, 13.7876,
19.8301

111.2348,
140.5149, 174.5140

4.5903, 7.9731,
12.0887

140.8272,
175.5209, 215.9905

2.0412, 4.0777,
6.6809

175.2512,
215.9056, 263.5674

0.6569, 1.7171,
3.1879

214.8721,

0.0000, 0.4347,

262.0535, 317.6632

1.1914

260.0553,
314.3488, 378.6963

■ 0.0000, 0.0000,
0.0000

■ 33.8741, 46.5901,
61.2403

■ 33.8741, 46.5901,
61.2403

■ 32.4842, 45.8746,
61.1761

■ 35.7601, 47.5634,
61.3298

■ 31.5400, 45.3879,
61.1317

■ 38.1782, 48.8100,
61.4431

■ 30.9882, 45.1034,
61.1057

■ 41.1660, 50.3503,
61.5831

■ 30.7330, 44.9719,
61.0936

■ 44.7567, 52.2013,
61.7514

■ 48.9806, 54.3788,
61.9492

■ 53.8662, 56.8974,
62.1780

■ 59.4403, 59.7710,
62.4391

■ 65.7281, 63.0125,
62.7335

■ 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.



33.7066, 46.5901, 43.3979



33.8741, 46.5901, 61.2403



36.6587, 46.5901, 79.7785

Triad

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



33.8741, 46.5901, 61.2403



53.5154, 46.5901, 77.6750



47.0315, 46.5901, 24.3172

Complementary

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



33.8741, 46.5901, 61.2403



27.6543, 18.1423, 9.2534

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.



52.8961, 46.5901, 29.7563



33.8741, 46.5901, 61.2403



56.8671, 46.5901, 58.8418

Square

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



33.8741, 46.5901, 61.2403



47.8150, 46.5901, 90.6739



56.6305, 46.5901, 41.4945



40.9284, 46.5901, 24.6707

Rectangle

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



33.8741, 46.5901, 61.2403



39.7851, 46.5901, 88.8192



56.6305, 46.5901, 41.4945



49.1067, 46.5901, 25.4632

Sweetspot

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



33.8755, 46.5919, 61.2414



80.1327, 92.3099, 108.2013



25.1097, 43.1049, 14.2055



16.7124, 19.5317, 23.1390



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.



33.8755, 46.5919, 61.2414



56.2532, 79.9996, 107.0820



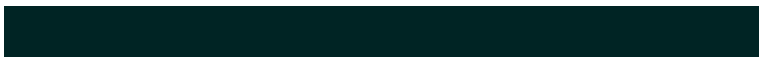
22.9060, 24.6525, 57.5859



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.



27.6543, 18.1423, 9.2534



44.4285, 25.9257, 8.2688



33.8024, 30.4388, 11.3025



10.6339, 10.6369, 11.0555



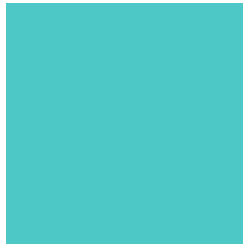
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 33.8741, 46.5901, 61.2403 looks on a white background.

Color Contrast Check

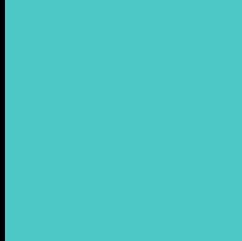
Large Text (above 18pt) WCAG AA × Fail

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 33.8741, 46.5901, 61.2403 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

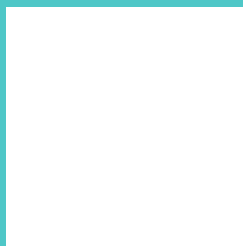
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8741, 46.5901, 61.2403

Background



This preview shows how black text looks on a background with the XYZ color 33.8741, 46.5901, 61.2403.



This preview shows how white text looks on a background with the XYZ color 33.8741, 46.5901,

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

33.8741, 46.5901, 61.2403

Protanopia

44.3811, 45.7731, 53.5097

Deuteranopia

46.9179, 45.9751, 63.5280



Tritanopia

35.6326, 46.6214, 70.0716

Trichromacy



Original Color

33.8741, 46.5901, 61.2403

Protanomaly

38.4645, 44.8087, 55.9119

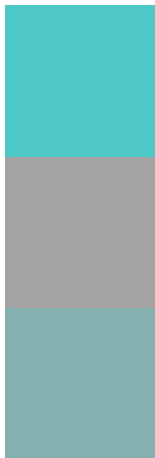
Deuteranomaly

39.8338, 44.7483, 62.4149

Tritanomaly

35.0589, 46.7361, 66.8477

Monochromacy



Original Color

33.8741, 46.5901, 61.2403

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

32.8775, 39.0908, 46.8867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8741, 46.5901, 61.2403 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(78, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(78, 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(78, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 199, 199) }
```

Border

The CSS property to change the border of an element to XYZ 33.8741, 46.5901, 61.2403 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(78, 199, 199) }
```


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

```
.border{ border-color:rgb(78, 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(78, 199, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(78, 199,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8741, 46.5901, 61.2403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 199, 199) }
```

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

```
.background{ background-color: rgb(78, 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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