

Converting Colors

XYZ(37.3249, 46.6756, 61.6857)

Have a look what the booklet for
XYZ(37.3249, 46.6756, 61.6857)
contains.

XYZ(37.3249, 46.6756, 61.6857)	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(37.3249, 46.6756,
61.6857)**

Conversions

Conversions Part 1

Format	Color
Hex	77C2C8
RGB	119, 194, 200
RGB Percent	47%, 76%, 78%
CMY	0.5333, 0.2392, 0.2157
CMYK	0.40, 0.03, 0.00, 0.22
HSL	184°, 42%, 63%
HSV	184°, 40%, 78%
XYZ	37.3249, 46.6756, 61.6857
YIQ	172.2590, -46.6260, -14.0340

Conversions

Conversions Part 2

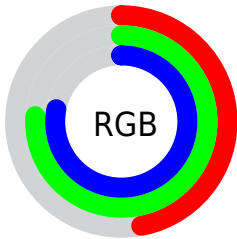
Format	Color
RYB	119, 158, 200
Decimal	7848648
CIELab	73.98, -21.70, -10.35
CIELCh	74, 24.045, 205.492
Yxy	46.6756, 0.2562, 0.3204
Android (android.graphics.Color)	4286038728 (0xFF77C2C8)
YUV	172.2590, 13.6763, -46.7081
Hunter-Lab	68.3195, -22.0396, -5.7092

Details

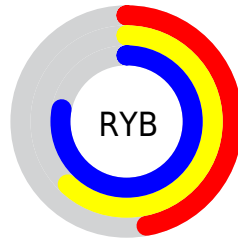
The XYZ color **37.3249, 46.6756, 61.6857** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.4837, 28.2794, 21.0950**, and the grayscale version is **39.2948, 41.3412, 45.0206**.

A 20% lighter version of the original color is **70.2264, 85.3283, 107.3764**, and **16.6163, 21.8883, 30.5432** is the 20% darker color. If you saturate the color by 10%, you get **34.5360, 44.7520, 61.4622**, and if you desaturate by 10%, it is **40.6975, 48.9071, 61.9395**.

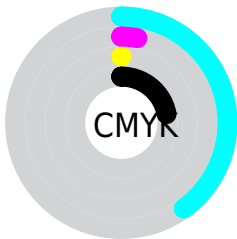
Distribution



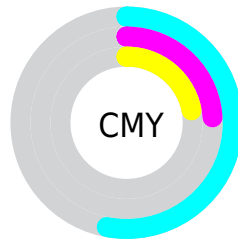
- Red (47%)
- Green (76%)
- Blue (78%)



- Red (47%)
- Yellow (62%)
- Blue (78%)



- Cyan (40%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)



- Cyan (53%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3249, 46.6756, 61.6857 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 37.3249, 46.6756, 61.6857 by changing the saturation by 10% instead.

■ 37.3249, 46.6756,
61.6857

■ 37.3249, 46.6756,
61.6857

326.0462,
373.5182, 448.7597

■ 25.6340, 32.7793,
44.3446

■ 70.3828, 85.2292,
108.8383

■ 16.6813, 21.9574,
30.6024

■ 92.4805, 110.6553,
139.4870

■ 10.1014, 13.8256,
20.0403

■ 118.7778,
140.6933, 175.4086

■ 5.5290, 7.9995,
12.2400

149.6401,
175.7279, 217.0217

■ 2.5988, 4.0946,
6.7828

185.4327,
216.1432, 264.7448

■ 0.9453, 1.7266,
3.2503

226.5210,

■ 0.0000, 0.4408,

262.3238, 318.9965

1.2238

273.2704,
314.6540, 380.1952

■ 0.0000, 0.0000,
0.0000

■ 37.3249, 46.6756,
61.6857

■ 37.3249, 46.6756,
61.6857

■ 34.5360, 44.7520,
61.4622

■ 40.6975, 48.9071,
61.9395

■ 32.2900, 43.1121,
61.2641

■ 44.6828, 51.4584,
62.2219

■ 30.5476, 41.7367,
61.0904


■ 49.3132, 54.3470,
62.5354


■ 29.2624, 40.6017,
60.9391


■ 54.6174, 57.5880,
62.8814


■ 28.3792, 39.6789,
60.8075


■ 60.6224, 61.1951,
63.2611

 27.8143, 38.9479,
60.6962

 67.3537, 65.1816,
63.6758

 73.3466, 68.7924,
64.0569

 73.7012, 69.5016,
64.1751

 74.0591, 70.2174,
64.2944

Harmonies

Analogous

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



36.6360, 46.6756, 48.9871



37.3249, 46.6756, 61.6857



39.8516, 46.6756, 72.8876

Triad

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



37.3249, 46.6756, 61.6857



51.5164, 46.6756, 65.4189



45.0154, 46.6756, 30.7166

Complementary

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



37.3249, 46.6756, 61.6857



34.4837, 28.2794, 21.0950

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.



49.2043, 46.6756, 33.7301



37.3249, 46.6756, 61.6857



53.1083, 46.6756, 52.7018

Square

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



37.3249, 46.6756, 61.6857



48.0106, 46.6756, 75.2752



52.2362, 46.6756, 41.3147



40.9065, 46.6756, 32.3366

Rectangle

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



37.3249, 46.6756, 61.6857



42.3287, 46.6756, 77.3034



52.2362, 46.6756, 41.3147



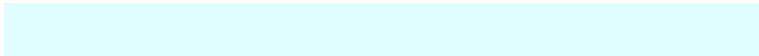
46.4630, 46.6756, 31.2056

Sweetspot

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



37.3263, 46.6774, 61.6868



83.9559, 93.2140, 108.1749



31.9266, 46.6969, 26.5337



17.7340, 19.8053, 23.1381



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.



37.3263, 46.6774, 61.6868



60.1424, 77.7275, 106.4408



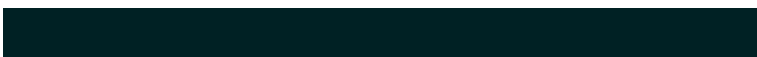
29.6064, 31.2376, 59.1135



10.8769, 11.9279, 13.6465



17.7138, 24.8216, 38.6018



0.8593, 1.2164, 1.8346

Inverse Universe

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



40.1551, 29.3694, 54.5933



65.8250, 43.8769, 91.9850



40.5874, 40.4867, 23.1296



11.0479, 10.8025, 13.2355



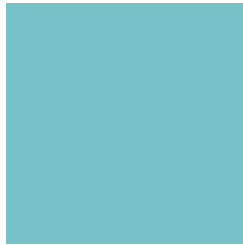
20.7405, 10.0457, 30.1727



0.9924, 0.4798, 1.4833

Previews

White Background



This preview shows how the XYZ color 37.3249, 46.6756, 61.6857 looks on a white background.

Color Contrast Check

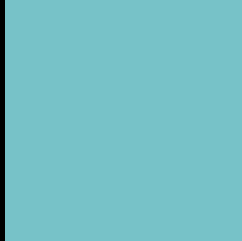
Large Text (above 18pt) WCAG AA × Fail

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 37.3249, 46.6756, 61.6857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

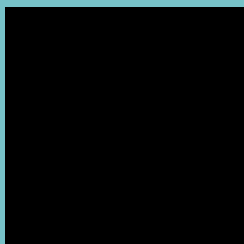
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

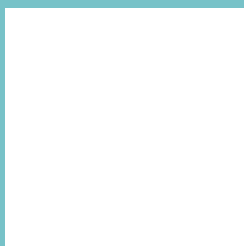
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3249, 46.6756, 61.6857

Background



This preview shows how black text looks on a background with the XYZ color 37.3249, 46.6756, 61.6857.

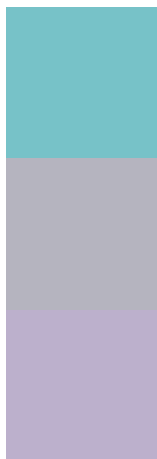


This preview shows how white text looks on a background with the XYZ color 37.3249, 46.6756,

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

37.3249, 46.6756, 61.6857

Protanopia

44.7813, 46.2279, 55.8529

Deuteranopia

47.1635, 46.1017, 63.5395



Tritanopia

38.3403, 46.7589, 66.6791

Trichromacy



Original Color

37.3249, 46.6756, 61.6857

Protanomaly

41.1871, 45.8621, 57.7204

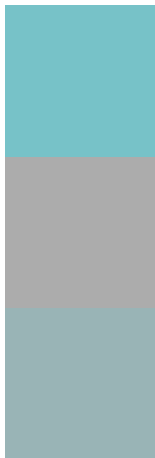
Deuteranomaly

42.8172, 45.9653, 63.1154

Tritanomaly

37.8351, 46.5408, 64.7468

Monochromacy



Original Color

37.3249, 46.6756, 61.6857

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.9016, 42.7922, 50.5181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3249, 46.6756, 61.6857 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(119, 194, 200)` looks like.

```
.text, #text, p{  
    color:rgb(119, 194, 200)  
}
```

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(119, 194, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 194, 200) }
```

Border

The CSS property to change the border of an element to XYZ 37.3249, 46.6756, 61.6857 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(119, 194, 200) }
```


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

```
.border{ border-color:rgb(119, 194, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 194, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 194, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 194, 200);  
box-shadow:4px 4px 4px 4px rgb(119, 194,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3249, 46.6756, 61.6857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 194, 200) }
```

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

```
.background{ background-color: rgb(119,  
194, 200) }
```

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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