

Converting Colors

XYZ(37.7820, 47.9381, 61.2954)

Have a look what the booklet for
XYZ(37.7820, 47.9381, 61.2954)
contains.

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Color

**XYZ(37.7463, 47.9076,
61.2905)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 76C5C7 |
| RGB | 118, 197, 199 |
| RGB Percent | 46%, 77%, 78% |
| CMY | 0.5372, 0.2274, 0.2196 |
| CMYK | 0.41, 0.01, 0.00, 0.22 |
| HSL | 181°, 42%, 62% |
| HSV | 181°, 41%, 78% |
| XYZ | 37.7463, 47.9076, 61.2905 |
| YIQ | 173.6070, -47.7260, -16.1260 |

Conversions

Conversions Part 2

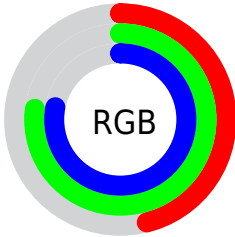
| Format | Color |
|-------------------------------------|---|
| RYB | 118, 158, 199 |
| Decimal | 7783879 |
| CIELab | 74.77, -23.71, -8.64 |
| CIElCh | 75, 25.240, 200.022 |
| Yxy | 47.9076, 0.2569, 0.3260 |
| Android (android.graphics.Color) | 4285973959 (0xFF76C5C7) |
| YUV | 173.6070, 12.5187, -48.7673 |
| Hunter-Lab | 69.2153, -23.7825, -4.0509 |

Details

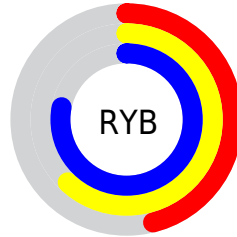
The XYZ color **37.7463, 47.9076, 61.2905** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.5405, 26.8837, 20.5620**, and the grayscale version is **39.9872, 42.0697, 45.8139**.

A 20% lighter version of the original color is **70.9474, 87.1023, 107.6808**, and **16.9199, 22.7134, 30.2804** is the 20% darker color. If you saturate the color by 10%, you get **35.2129, 46.4375, 61.1411**, and if you desaturate by 10%, it is **40.8530, 49.6760, 61.4689**.

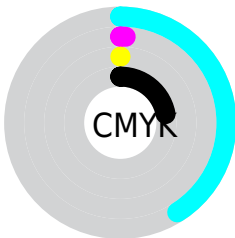
Distribution



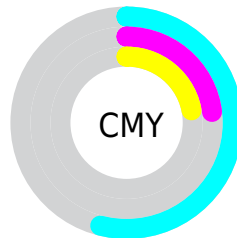
- Red (46%)
- Green (77%)
- Blue (78%)



- Red (46%)
- Yellow (62%)
- Blue (78%)



- Cyan (41%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)



- Cyan (54%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7463, 47.9076, 61.2905 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 37.7463, 47.9076, 61.2905 by changing the saturation by 10% instead.

■ 37.7463, 47.9076,
61.2905

■ 37.7463, 47.9076,
61.2905

327.8301,
378.4258, 447.2743

■ 25.9622, 33.7537,
44.0276

■ 71.0255, 87.0668,
108.2611

■ 16.9279, 22.7045,
30.3548

■ 93.2513, 112.8409,
138.8058

■ 10.2781, 14.3754,
19.8537

■ 119.6884,
143.2573, 174.6149

■ 5.6474, 8.3822,
12.1057

150.7021,
178.7002, 216.1068

■ 2.6705, 4.3405,
6.6923

186.6577,
219.5541, 263.7002

■ 0.9820, 1.8658,
3.1949

227.9207,

■ 0.0000, 0.5277,

266.2034, 317.8136

1.1950

274.8564,
319.0325, 378.8654

■ 0.0000, 0.0000,
0.0000

■ 37.7463, 47.9076,
61.2905

■ 37.7463, 47.9076,
61.2905

■ 35.2129, 46.4375,
61.1411

■ 40.8530, 49.6760,
61.4689

■ 33.2124, 45.2416,
61.0157

■ 44.5617, 51.7542,
61.6746

■ 31.7058, 44.3008,
60.9135

■ 48.9043, 54.1598,
61.9100

■ 30.6473, 43.5915,
60.8324

■ 53.9093, 56.9073,
62.1766

■ 29.9822, 43.0856,
60.7698

■ 59.6033, 60.0106,
62.4754

■ 29.6214, 42.7485,
60.7237

■ 66.0116, 63.4826,
62.8079

■ 72.3052, 66.8960,
63.1350

■ 72.4194, 67.1244,
63.1731

■ 72.5339, 67.3536,
63.2113

Harmonies

Analogous

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



37.3950, 47.9076, 47.9110



37.7463, 47.9076, 61.2905



40.1040, 47.9076, 73.9925

Triad

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



37.7463, 47.9076, 61.2905



52.6272, 47.9076, 70.1178



47.0789, 47.9076, 31.0452

Complementary

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



37.7463, 47.9076, 61.2905



33.5405, 26.8837, 20.5620

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.



51.4349, 47.9076, 35.1145



37.7463, 47.9076, 61.2905



54.7774, 47.9076, 56.6599

Square

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



37.7463, 47.9076, 61.2905



48.6192, 47.9076, 79.6521



54.3270, 47.9076, 43.9903



42.5836, 47.9076, 31.8614

Rectangle

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



37.7463, 47.9076, 61.2905



42.5896, 47.9076, 79.6608



54.3270, 47.9076, 43.9903



48.6126, 47.9076, 31.8567

Sweetspot

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



37.7477, 47.9095, 61.2916



84.4343, 94.1706, 108.3343



31.2465, 46.0397, 24.8040



17.8475, 20.0321, 23.1759



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.



37.7477, 47.9095, 61.2916



62.0482, 81.5391, 107.0761



29.8635, 32.1410, 58.6635



10.9234, 12.0209, 13.6620



19.0570, 27.5078, 39.0495



0.9096, 1.3170, 1.8514

Inverse Universe

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



40.1109, 29.1314, 56.3343



66.7870, 44.2616, 97.0506



39.3690, 38.5409, 22.5049



11.0714, 10.8119, 13.3591



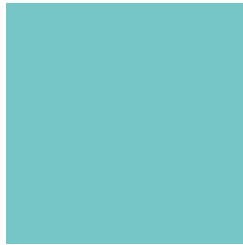
21.4184, 10.3169, 33.7428



1.0178, 0.4900, 1.6170

Previews

White Background



This preview shows how the XYZ color 37.7463, 47.9076, 61.2905 looks on a white background.

Color Contrast Check

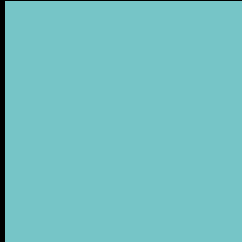
Large Text (above 18pt) WCAG AA × Fail

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 37.7463, 47.9076, 61.2905 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 37.7463, 47.9076, 61.2905

Background



This preview shows how black text looks on a background with the XYZ color 37.7463, 47.9076, 61.2905.

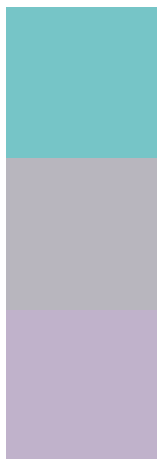


This preview shows how white text looks on a background with the XYZ color 37.7463, 47.9076,

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

37.7463, 47.9076, 61.2905

Protanopia

45.7894, 47.3639, 55.4440

Deuteranopia

48.4381, 47.3591, 63.0882



Tritanopia

39.1581, 47.7983, 68.7902

Trichromacy



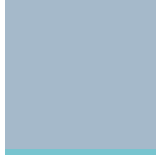
Original Color

37.7463, 47.9076, 61.2905



Protanomaly

41.8932, 46.8645, 57.2898



Deuteranomaly

43.5267, 46.9615, 62.6475



Tritanomaly

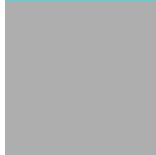
38.7481, 47.9779, 66.2499

Monochromacy



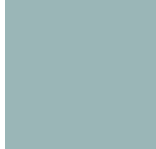
Original Color

37.7463, 47.9076, 61.2905



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.6016, 43.7448, 51.2088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7463, 47.9076, 61.2905 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(118, 197, 199)` looks like.

```
.text, #text, p{  
    color:rgb(118, 197, 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(118, 197, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 197, 199) }
```

Border

The CSS property to change the border of an element to XYZ 37.7463, 47.9076, 61.2905 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(118, 197, 199) }
```


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

```
.border{ border-color:rgb(118, 197, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 197, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 197, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 197, 199);  
box-shadow:4px 4px 4px 4px rgb(118, 197,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7463, 47.9076, 61.2905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 197, 199) }
```

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

```
.background{ background-color: rgb(118,  
197, 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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