

Converting Colors

XYZ(37.5425, 46.7469, 63.5443)

Have a look what the booklet for
XYZ(37.5425, 46.7469, 63.5443)
contains.

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Color

**XYZ(37.5425, 46.7469,
63.5443)**

Conversions

Conversions Part 1

Format	Color
Hex	76C2CB
RGB	118, 194, 203
RGB Percent	46%, 76%, 80%
CMY	0.5372, 0.2392, 0.2039
CMYK	0.42, 0.04, 0.00, 0.20
HSL	186°, 45%, 63%
HSV	186°, 42%, 80%
XYZ	37.5425, 46.7469, 63.5443
YIQ	172.3020, -48.1850, -13.3130

Conversions

Conversions Part 2

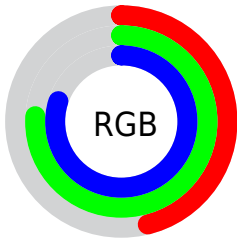
Format	Color
RYB	118, 158, 203
Decimal	7783115
CIELab	74.03, -21.19, -11.92
CIELCh	74, 24.312, 209.348
Yxy	46.7469, 0.2540, 0.3162
Android (android.graphics.Color)	4285973195 (0xFF76C2CB)
YUV	172.3020, 15.1341, -47.6229
Hunter-Lab	68.3717, -21.6372, -7.2436

Details

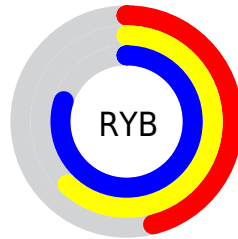
The XYZ color **37.5425, 46.7469, 63.5443** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.4888, 29.1840, 20.9034**, and the grayscale version is **39.3100, 41.3572, 45.0380**.

A 20% lighter version of the original color is **70.0027, 85.2130, 107.3660**, and **16.7895, 21.9502, 31.7857** is the 20% darker color. If you saturate the color by 10%, you get **34.6024, 44.5274, 63.2717**, and if you desaturate by 10%, it is **41.0856, 49.2897, 63.8492**.

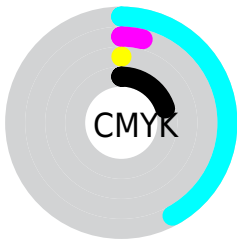
Distribution



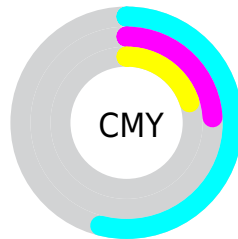
- Red (46%)
- Green (76%)
- Blue (80%)



- Red (46%)
- Yellow (62%)
- Blue (80%)



- Cyan (42%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)



- Cyan (54%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5425, 46.7469, 63.5443 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 37.5425, 46.7469, 63.5443 by changing the saturation by 10% instead.

■ 37.5425, 46.7469,
63.5443

■ 37.5425, 46.7469,
63.5443

326.9682,
373.8034, 455.7044

■ 25.8034, 32.8356,
45.8379

■ 70.7148, 85.3357,
111.5475

■ 16.8085, 22.0005,
31.7702

■ 92.8787, 110.7820,
142.6814

■ 10.1925, 13.8573,
20.9226

■ 119.2483,
140.8421, 179.1282

■ 5.5900, 8.0215,
12.8768

150.1888,
175.9004, 221.3064

■ 2.6357, 4.1087,
7.2140

186.0657,
216.3413, 269.6346

■ 0.9642, 1.7346,
3.5158

227.2444,

■ 0.0000, 0.4459,

262.5491, 324.5313

1.3637

274.0901,
314.9084, 386.4150

■ 0.0000, 0.0000,
0.1131

■ 0.0000, 0.0000,
0.0000

■ 37.5425, 46.7469,
63.5443

■ 37.5425, 46.7469,
63.5443

■ 34.6024, 44.5274,
63.2717

■ 41.0856, 49.2897,
63.8492

■ 32.2226, 42.6058,
63.0262

■ 45.2624, 52.1685,
64.1847

■ 30.3615, 40.9619,
62.8070

■ 50.1067, 55.4016,
64.5534

■ 28.9698, 39.5701,
62.6117

■ 55.6486, 59.0049,
64.9568

■ 27.9888, 38.4001,
62.4375

■ 61.9163, 62.9927,
65.3962

■ 27.4076, 37.5678,
62.3075

■ 68.9365, 67.3789,
65.8728

■ 74.8315, 71.1956,
66.2988

■ 75.3625, 72.2576,
66.4758

■ 75.9007, 73.3339,
66.6552

Harmonies

Analogous

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



36.5932, 46.7469, 50.6277



37.5425, 46.7469, 63.5443



40.3085, 46.7469, 74.3716

Triad

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



37.5425, 46.7469, 63.5443



52.0100, 46.7469, 64.0924



44.5266, 46.7469, 30.5341

Complementary

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



37.5425, 46.7469, 63.5443



35.4888, 29.1840, 20.9034

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.



48.8265, 46.7469, 32.9720



37.5425, 46.7469, 63.5443



53.3162, 46.7469, 51.1721

Square

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



37.5425, 46.7469, 63.5443



48.6515, 46.7469, 74.7226



52.1156, 46.7469, 40.0543



40.4629, 46.7469, 32.7687

Rectangle

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



37.5425, 46.7469, 63.5443



42.9057, 46.7469, 78.2080



52.1156, 46.7469, 40.0543



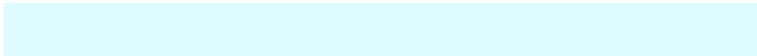
45.9931, 46.7469, 30.8271

Sweetspot

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



37.5439, 46.7487, 63.5454



82.7789, 92.0272, 108.0079



32.6265, 48.0837, 27.4710



17.3157, 19.4309, 23.0879



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.



37.5439, 46.7487, 63.5454



58.4813, 74.9790, 105.9978



29.4801, 30.6211, 60.8575



11.4379, 12.5162, 14.3834



17.4818, 23.9876, 39.6650



0.9317, 1.2971, 2.0562

Inverse Universe

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



40.8458, 29.5497, 54.5917



64.8465, 42.9492, 88.4854



42.0876, 42.3816, 23.1030



11.6344, 11.3825, 13.8753



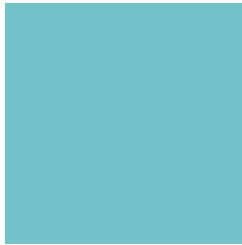
21.0349, 10.2246, 28.9663



1.1002, 0.5335, 1.5736

Previews

White Background



This preview shows how the XYZ color 37.5425, 46.7469, 63.5443 looks on a white background.

Color Contrast Check

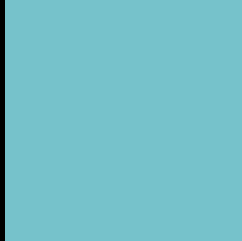
Large Text (above 18pt) WCAG AA × Fail

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 37.5425, 46.7469, 63.5443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

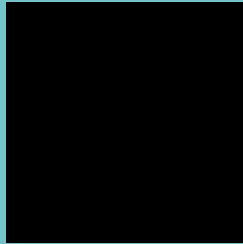
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5425, 46.7469, 63.5443

Background



This preview shows how black text looks on a background with the XYZ color 37.5425, 46.7469, 63.5443.

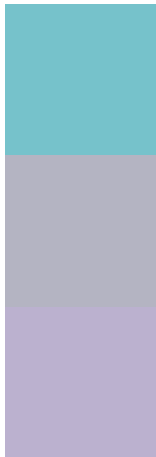


This preview shows how white text looks on a background with the XYZ color 37.5425, 46.7469,

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

37.5425, 46.7469, 63.5443

Protanopia

44.8813, 46.2409, 57.5988

Deuteranopia

47.4781, 46.5141, 65.5072



Tritanopia

38.3243, 46.7364, 67.3227

Trichromacy



Original Color

37.5425, 46.7469, 63.5443

Protanomaly

41.3316, 45.8972, 59.5040

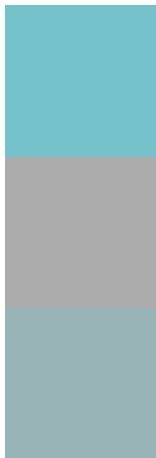
Deuteranomaly

42.9744, 46.0046, 65.0073

Tritanomaly

37.9402, 46.5669, 66.0201

Monochromacy



Original Color

37.5425, 46.7469, 63.5443

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.8174, 42.7368, 51.0556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5425, 46.7469, 63.5443 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, 194, 203)` looks like.

```
.text, #text, p{  
    color:rgb(118, 194, 203)  
}
```

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, 194, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 194, 203) }
```

Border

The CSS property to change the border of an element to XYZ 37.5425, 46.7469, 63.5443 is called "border". The border property can be set on classes, ids or directly on the HTML element.

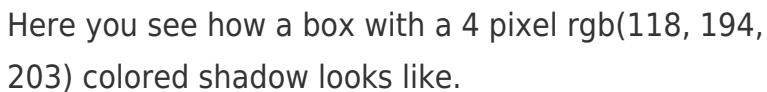
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 194, 203) }
```


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

```
.border{ border-color:rgb(118, 194, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 194, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 194, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 194, 203); box-shadow:4px 4px 4px 4px rgb(118, 194, 203) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5425, 46.7469, 63.5443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 194, 203) }
```

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

```
.background{ background-color: rgb(118,  
194, 203) }
```

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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