

Converting Colors

XYZ(37.5126, 43.6905, 70.0743)

Have a look what the booklet for
XYZ(37.5126, 43.6905, 70.0743)
contains.

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Color

**XYZ(37.5126, 43.6905,
70.0743)**

Conversions

Conversions Part 1

Format	Color
Hex	7AB9D6
RGB	122, 185, 214
RGB Percent	48%, 73%, 84%
CMY	0.5216, 0.2745, 0.1608
CMYK	0.43, 0.14, 0.00, 0.16
HSL	199°, 53%, 66%
HSV	199°, 43%, 84%
XYZ	37.5126, 43.6905, 70.0743
YIQ	169.4690, -46.8570, -4.3370

Conversions

Conversions Part 2

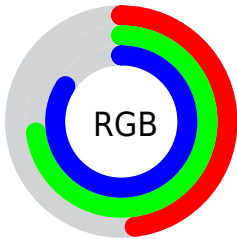
Format	Color
RYB	122, 159, 214
Decimal	8042966
CIELab	72.02, -12.64, -20.91
CIELCh	72, 24.438, 238.851
Yxy	43.6905, 0.2480, 0.2888
Android (android.graphics.Color)	4286233046 (0xFF7AB9D6)
YUV	169.4690, 21.9538, -41.6303
Hunter-Lab	66.0988, -14.3700, -16.5868

Details

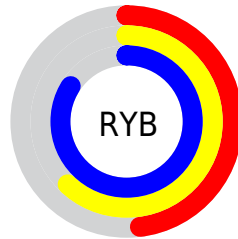
The XYZ color **37.5126, 43.6905, 70.0743** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.3120, 37.8355, 23.4866**, and the grayscale version is **37.8567, 39.8282, 43.3729**.

A 20% lighter version of the original color is **67.8654, 79.5956, 106.3943**, and **16.7560, 20.1640, 35.8098** is the 20% darker color. If you saturate the color by 10%, you get **33.4320, 39.5424, 69.4895**, and if you desaturate by 10%, it is **42.3300, 48.3198, 70.7147**.

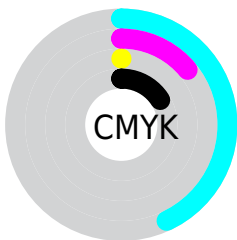
Distribution



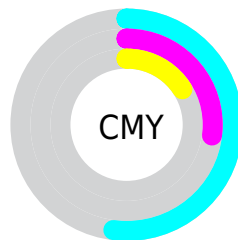
- Red (48%)
- Green (73%)
- Blue (84%)



- Red (48%)
- Yellow (62%)
- Blue (84%)



- Cyan (43%)
- Magenta (14%)
- Yellow (0%)
- Black (16%)



- Cyan (52%)
- Magenta (27%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5126, 43.6905, 70.0743 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 37.5126, 43.6905, 70.0743 by changing the saturation by 10% instead.

■ 37.5126, 43.6905,
70.0743

■ 37.5126, 43.6905,
70.0743

326.8416,
361.4438, 479.6070

■ 25.7801, 30.4273,
51.1099

■ 70.6692, 80.7518,
120.9968

■ 16.7910, 20.1631,
35.9188

■ 92.8240, 105.3187,
153.7920

■ 10.1800, 12.5137,
24.0823

■ 119.1836,
134.4222, 192.0346

■ 5.5816, 7.0945,
15.1819

150.1135,
168.4468, 236.1431

■ 2.6306, 3.5213,
8.7991

185.9788,
207.7769, 286.5361

■ 0.9616, 1.4096,
4.5154

227.1451,

■ 0.0000, 0.2238,

252.7968, 343.6320

1.9121

273.9775,
303.8910, 407.8495

■ 0.0000, 0.0000,
0.5004

■ 0.0000, 0.0000,
0.0000

■ 37.5126, 43.6905,
70.0743

■ 37.5126, 43.6905,
70.0743

■ 33.4320, 39.5424,
69.4895

■ 42.3300, 48.3198,
70.7147

■ 30.0390, 35.8458,
68.9548

■ 47.9213, 53.4479,
71.4098

■ 27.2844, 32.5749,
68.4686

■ 54.3258, 59.0971,
72.1627

■ 25.1099, 29.6984,
68.0280

■ 61.5789, 65.2872,
72.9752

■ 23.4458, 27.1787,
67.6294

■ 69.7136, 72.0364,
73.8492

■ 22.5011, 25.5817,
67.3709

■ 78.7614, 79.3621,
74.7863

■ 82.2967, 83.9530,
75.4861

■ 84.2345, 87.8287,
76.1321

■ 86.2461, 91.8518,
76.8026

Harmonies

Analogous

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



34.8873, 43.6905, 59.5447



37.5126, 43.6905, 70.0743



41.3659, 43.6905, 74.4455

Triad

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



37.5126, 43.6905, 70.0743



50.0769, 43.6905, 48.0337



37.7736, 43.6905, 30.1485

Complementary

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



37.5126, 43.6905, 70.0743



42.3120, 37.8355, 23.4866

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.



41.6876, 43.6905, 28.0957



37.5126, 43.6905, 70.0743



48.9588, 43.6905, 37.3216

Square

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



37.5126, 43.6905, 70.0743



48.7795, 43.6905, 60.4763



45.8170, 43.6905, 30.4897



35.0307, 43.6905, 36.6470

Rectangle

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



37.5126, 43.6905, 70.0743



44.1736, 43.6905, 72.8024



45.8170, 43.6905, 30.4897



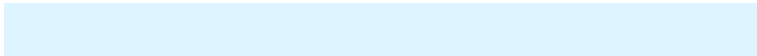
38.9873, 43.6905, 28.9691

Sweetspot

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



37.5140, 43.6922, 70.0753



80.6450, 87.7593, 107.2965



37.5466, 54.4208, 37.2123



16.7847, 18.3691, 22.9109



0.0000, 0.0000, 0.0000



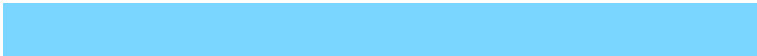
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.5140, 43.6922, 70.0753



49.9783, 59.0778, 103.3768



29.6016, 27.8673, 67.4379



12.4467, 13.4168, 15.8712



13.6973, 15.6564, 40.7532



0.8989, 1.0897, 2.4823

Inverse Universe

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



43.4492, 31.7193, 49.7330



60.2848, 40.0919, 67.6474



50.8952, 55.0020, 26.3477



12.7787, 12.5630, 14.7747



19.9726, 9.9254, 17.6917



1.2413, 0.6133, 1.2603

Previews

White Background



This preview shows how the XYZ color 37.5126, 43.6905, 70.0743 looks on a white background.

Color Contrast Check

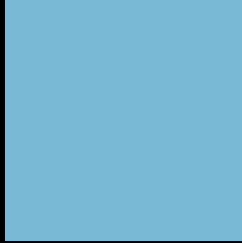
Large Text (above 18pt) WCAG AA × Fail

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 37.5126, 43.6905, 70.0743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

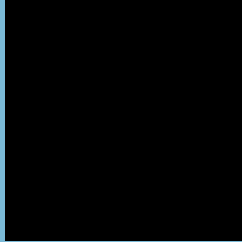
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5126, 43.6905, 70.0743

Background



This preview shows how black text looks on a background with the XYZ color 37.5126, 43.6905, 70.0743.



This preview shows how white text looks on a background with the XYZ color 37.5126, 43.6905,

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

37.5126, 43.6905, 70.0743

Protanopia

42.7607, 43.2121, 65.1185

Deuteranopia

44.2902, 43.2855, 71.6662



Tritanopia

36.0387, 43.7269, 62.4178

Trichromacy



Original Color

37.5126, 43.6905, 70.0743

Protanomaly

40.5021, 43.1693, 67.1706

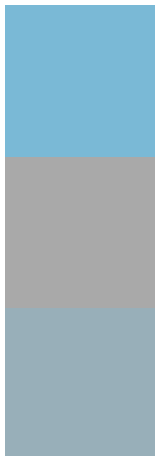
Deuteranomaly

41.4432, 43.2722, 71.1338

Tritanomaly

36.4452, 43.5671, 64.8809

Monochromacy



Original Color

37.5126, 43.6905, 70.0743

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.0358, 40.8381, 51.8295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5126, 43.6905, 70.0743 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(122, 185, 214)` looks like.

```
.text, #text, p{  
    color:rgb(122, 185, 214)  
}
```

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(122, 185, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 185, 214) }
```

Border

The CSS property to change the border of an element to XYZ 37.5126, 43.6905, 70.0743 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(122, 185, 214) }
```


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

```
.border{ border-color:rgb(122, 185, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 185, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 185, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 185, 214);  
box-shadow:4px 4px 4px 4px rgb(122, 185,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5126, 43.6905, 70.0743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 185, 214) }
```

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

```
.background{ background-color: rgb(122,  
185, 214) }
```

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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