

Converting Colors

XYZ(37.5665, 46.5381, 65.6511)

Have a look what the booklet for
XYZ(37.5665, 46.5381, 65.6511)
contains.

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Color

**XYZ(37.4130, 46.3092,
65.3592)**

Conversions

Conversions Part 1

Format	Color
Hex	74C1CE
RGB	116, 193, 206
RGB Percent	45%, 76%, 81%
CMY	0.5451, 0.2431, 0.1922
CMYK	0.44, 0.06, 0.00, 0.19
HSL	189°, 48%, 63%
HSV	189°, 44%, 81%
XYZ	37.4130, 46.3092, 65.3592
YIQ	171.4590, -50.0650, -12.2810

Conversions

Conversions Part 2

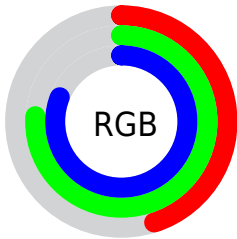
Format	Color
RYB	116, 157, 206
Decimal	7651790
CIELab	73.75, -20.40, -13.98
CIELCh	74, 24.729, 214.420
Yxy	46.3092, 0.2510, 0.3106
Android (android.graphics.Color)	4285841870 (0xFF74C1CE)
YUV	171.4590, 17.0287, -48.6375
Hunter-Lab	68.0509, -20.9533, -9.3093

Details

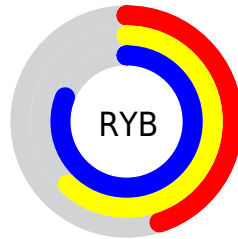
The XYZ color **37.4130, 46.3092, 65.3592** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.4570, 30.0840, 20.4095**, and the grayscale version is **38.8757, 40.9003, 44.5404**.

A 20% lighter version of the original color is **69.2489, 84.3619, 107.2414**, and **16.7037, 21.6620, 33.0066** is the 20% darker color. If you saturate the color by 10%, you get **34.3217, 43.7500, 65.0290**, and if you desaturate by 10%, it is **41.1275, 49.2114, 65.7244**.

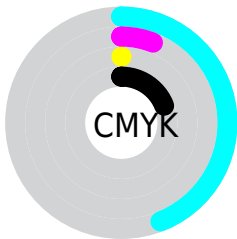
Distribution



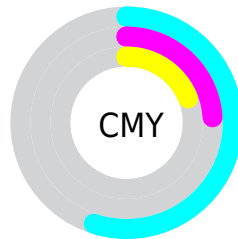
- Red (45%)
- Green (76%)
- Blue (81%)



- Red (45%)
- Yellow (62%)
- Blue (81%)



- Cyan (44%)
- Magenta (6%)
- Yellow (0%)
- Black (19%)



- Cyan (55%)
- Magenta (24%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4130, 46.3092, 65.3592 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 37.4130, 46.3092, 65.3592 by changing the saturation by 10% instead.

■ 37.4130, 46.3092,
65.3592

■ 37.4130, 46.3092,
65.3592

326.4197,
372.0503, 462.4232

■ 25.7026, 32.4899,
47.2992

■ 70.5172, 84.6816,
114.1843

■ 16.7328, 21.7360,
32.9162

■ 92.6418, 110.0034,
145.7866

■ 10.1383, 13.6630,
21.7917

■ 118.9683,
139.9282, 182.7399

■ 5.5537, 7.8867,
13.5071

149.8623,
174.8403, 225.4630

■ 2.6137, 4.0225,
7.6438

185.6891,
215.1242, 274.3743

■ 0.9529, 1.6862,
3.7834

226.8140,

■ 0.0000, 0.4147,

261.1643, 329.8924

1.5073

273.6025,
313.3448, 392.4359

■ 0.0000, 0.0000,
0.2233

■ 0.0000, 0.0000,
0.0000

■ 37.4130, 46.3092,
65.3592

■ 37.4130, 46.3092,
65.3592

■ 34.3217, 43.7500,
65.0290

■ 41.1275, 49.2114,
65.7244

■ 31.8086, 41.5074,
64.7286


■ 45.4980, 52.4705,
66.1231


■ 29.8297, 39.5596,
64.4569


■ 50.5598, 56.1058,
66.5580


■ 28.3322, 37.8792,
64.2115


■ 56.3445, 60.1338,
67.0306


 27.2526, 36.4335,
63.9893


 62.8819, 64.5699,
67.5423

 26.7151, 35.6049,
63.8577

 70.1999, 69.4286,
68.0945

 76.3842, 73.7232,
68.5974

 77.1433, 75.2414,
68.8505

 77.9162, 76.7872,
69.1081

Harmonies

Analogous

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



36.1245, 46.3092, 52.3088



37.4130, 46.3092, 65.3592



40.4705, 46.3092, 75.5222

Triad

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



37.4130, 46.3092, 65.3592



52.0767, 46.3092, 61.5978



43.3682, 46.3092, 29.9565

Complementary

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



37.4130, 46.3092, 65.3592



36.4570, 30.0840, 20.4095

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.



47.7617, 46.3092, 31.6098



37.4130, 46.3092, 65.3592



52.9793, 46.3092, 48.5828

Square

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



37.4130, 46.3092, 65.3592



48.9613, 46.3092, 73.1096



51.3524, 46.3092, 37.9553



39.4145, 46.3092, 32.9941

Rectangle

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



37.4130, 46.3092, 65.3592



43.1998, 46.3092, 78.5128



51.3524, 46.3092, 37.9553



44.8414, 46.3092, 29.9867

Sweetspot

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



37.4144, 46.3110, 65.3603



82.3799, 91.2292, 107.8748



33.1711, 49.4151, 28.2130



17.2161, 19.2319, 23.0547



0.0000, 0.0000, 0.0000



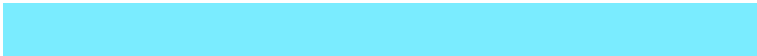
20.3446, 21.4041, 23.3091

Same Dimension

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



37.4144, 46.3110, 65.3603



56.0849, 71.2910, 105.4123



29.0916, 29.6654, 62.5860



11.3998, 12.4401, 14.3707



16.5050, 22.0340, 39.3394



0.8902, 1.2141, 2.0424

Inverse Universe

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



41.3258, 29.4641, 53.9631



63.3672, 41.3249, 83.8788



43.5505, 44.2710, 22.7740



11.6152, 11.3748, 13.7741



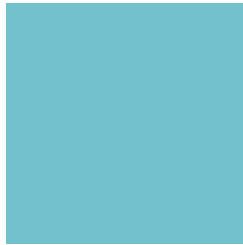
20.5419, 10.0273, 26.3699



1.0793, 0.5251, 1.4633

Previews

White Background



This preview shows how the XYZ color 37.4130, 46.3092, 65.3592 looks on a white background.

Color Contrast Check

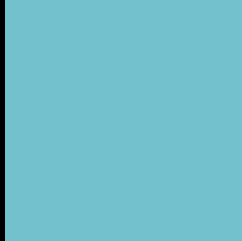
Large Text (above 18pt) WCAG AA × Fail

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 37.4130, 46.3092, 65.3592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

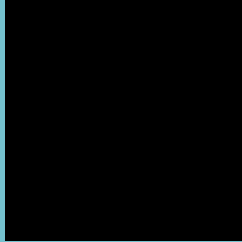
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4130, 46.3092, 65.3592

Background



This preview shows how black text looks on a background with the XYZ color 37.4130, 46.3092, 65.3592.



This preview shows how white text looks on a background with the XYZ color 37.4130, 46.3092,

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

37.4130, 46.3092, 65.3592

Protanopia

44.7885, 45.8551, 59.3136

Deuteranopia

46.9254, 45.8942, 67.3580



Tritanopia

37.7912, 46.4759, 66.6534

Trichromacy



Original Color

37.4130, 46.3092, 65.3592

Protanomaly

41.2761, 45.5190, 61.2541

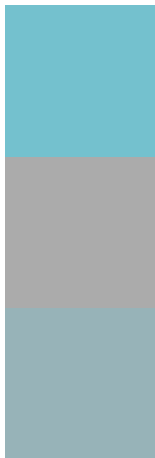
Deuteranomaly

42.5346, 45.4303, 66.8487

Tritanomaly

37.6686, 46.4268, 66.0074

Monochromacy



Original Color

37.4130, 46.3092, 65.3592

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.5343, 42.2802, 51.5300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4130, 46.3092, 65.3592 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(116, 193, 206)` looks like.

```
.text, #text, p{  
    color:rgb(116, 193, 206)  
}
```

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(116, 193, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 193, 206) }
```

Border

The CSS property to change the border of an element to XYZ 37.4130, 46.3092, 65.3592 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(116, 193, 206) }
```


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

```
.border{ border-color:rgb(116, 193, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 193, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 193, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 193, 206);  
box-shadow:4px 4px 4px 4px rgb(116, 193,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4130, 46.3092, 65.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 193, 206) }
```

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

```
.background{ background-color: rgb(116,  
193, 206) }
```

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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