

Converting Colors

XYZ(37.2242, 46.9006, 64.2175)

Have a look what the booklet for
XYZ(37.2242, 46.9006, 64.2175)
contains.

XYZ(37.2242, 46.9006, 64.2175)	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(37.2242, 46.9006,
64.2175)**

Conversions

Conversions Part 1

Format	Color
Hex	71C3CC
RGB	113, 195, 204
RGB Percent	44%, 76%, 80%
CMY	0.5568, 0.2353, 0.2000
CMYK	0.45, 0.04, 0.00, 0.20
HSL	186°, 47%, 62%
HSV	186°, 45%, 80%
XYZ	37.2242, 46.9006, 64.2175
YIQ	171.5080, -51.7610, -14.5850

Conversions

Conversions Part 2

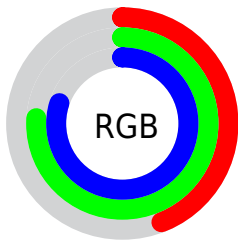
Format	Color
RYB	113, 156, 204
Decimal	7455692
CIELab	74.13, -22.66, -12.33
CIELCh	74, 25.796, 208.563
Yxy	46.9006, 0.2509, 0.3162
Android (android.graphics.Color)	4285645772 (0xFF71C3CC)
YUV	171.5080, 16.0186, -51.3115
Hunter-Lab	68.4840, -22.8241, -7.6575

Details

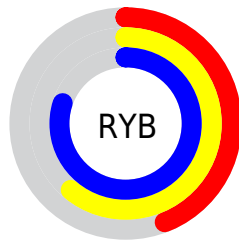
The XYZ color **37.2242, 46.9006, 64.2175** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.8427, 27.9492, 19.1821**, and the grayscale version is **38.9059, 40.9321, 44.5750**.

A 20% lighter version of the original color is **69.4380, 85.3869, 107.4293**, and **16.6054, 22.0640, 32.2377** is the 20% darker color. If you saturate the color by 10%, you get **34.4403, 44.8001, 63.9596**, and if you desaturate by 10%, it is **40.6069, 49.3210, 64.5072**.

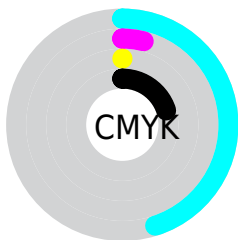
Distribution



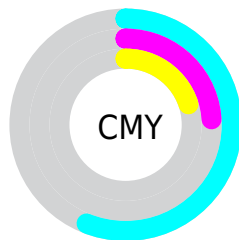
- Red (44%)
- Green (76%)
- Blue (80%)



- Red (44%)
- Yellow (61%)
- Blue (80%)



- Cyan (45%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)



- Cyan (56%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2242, 46.9006, 64.2175 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 37.2242, 46.9006, 64.2175 by changing the saturation by 10% instead.

■ 37.2242, 46.9006,
64.2175

■ 37.2242, 46.9006,
64.2175

325.6189,
374.4176, 458.2037

■ 25.5556, 32.9571,
46.3796

■ 70.2291, 85.5652,
112.5266

■ 16.6224, 22.0936,
32.1946

■ 92.2960, 111.0551,
143.8348

■ 10.0593, 13.9257,
21.2441

■ 118.5598,
141.1626, 180.4702

■ 5.5008, 8.0690,
13.1096

149.3858,
176.2721, 222.8513

■ 2.5818, 4.1391,
7.3724

185.1394,
216.7679, 271.3967

■ 0.9367, 1.7517,
3.6141

226.1858,

■ 0.0000, 0.4568,

263.0345, 326.5248

1.4161

272.8905,
315.4563, 388.6543

■ 0.0000, 0.0000,
0.1543

■ 0.0000, 0.0000,
0.0000

■ 37.2242, 46.9006,
64.2175

■ 37.2242, 46.9006,
64.2175

■ 34.4403, 44.8001,
63.9596

■ 40.6069, 49.3210,
64.5072

■ 32.2110, 42.9934,
63.7284

■ 44.6204, 52.0747,
64.8272

■ 30.4926, 41.4591,
63.5228

■ 49.2997, 55.1807,
65.1801

■ 29.2330, 40.1704,
63.3404

■ 54.6757, 58.6550,
65.5674

■ 28.3691, 39.0944,
63.1783

■ 60.7774, 62.5127,
65.9904

■ 28.0044, 38.5700,
63.0963

■ 67.6324, 66.7679,
66.4504

■ 74.9700, 71.2812,
66.9348

■ 75.4684, 72.2781,
67.1010

■ 75.9732, 73.2876,
67.2692

Harmonies

Analogous

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



36.2764, 46.9006, 50.4318



37.2242, 46.9006, 64.2175



40.1046, 46.9006, 75.9848

Triad

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



37.2242, 46.9006, 64.2175



52.5918, 46.9006, 65.5128



44.8006, 46.9006, 29.6283

Complementary

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



37.2242, 46.9006, 64.2175



34.8427, 27.9492, 19.1821

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.



49.3714, 46.9006, 32.2958



37.2242, 46.9006, 64.2175



54.0574, 46.9006, 51.7071

Square

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



37.2242, 46.9006, 64.2175



48.9598, 46.9006, 76.8189



52.8408, 46.9006, 39.8464



40.4651, 46.9006, 31.8283

Rectangle

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



37.2242, 46.9006, 64.2175



42.8399, 46.9006, 80.2702



52.8408, 46.9006, 39.8464



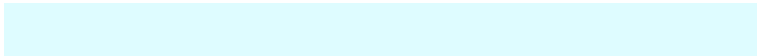
46.3617, 46.9006, 29.9753

Sweetspot

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



37.2256, 46.9024, 64.2186



82.8515, 92.1724, 108.0320



31.8295, 48.0676, 25.5569



17.3338, 19.4672, 23.0939



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.



37.2256, 46.9024, 64.2186



56.9957, 74.1611, 105.9183



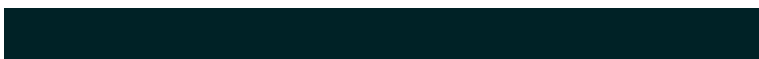
28.7633, 29.9778, 61.3978



11.4448, 12.5300, 14.3857



17.6646, 24.3533, 39.7259



0.9394, 1.3125, 2.0588

Inverse Universe

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



40.6584, 28.5889, 55.0071



63.5710, 40.4265, 87.9730



41.5348, 41.3334, 21.4128



11.6379, 11.3839, 13.8936



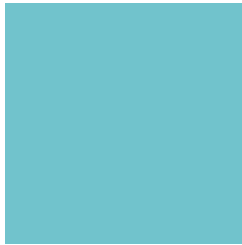
21.1272, 10.2615, 29.4522



1.1041, 0.5350, 1.5941

Previews

White Background



This preview shows how the XYZ color 37.2242, 46.9006, 64.2175 looks on a white background.

Color Contrast Check

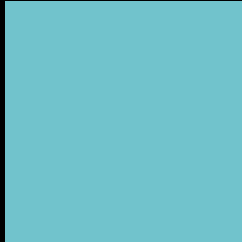
Large Text (above 18pt) WCAG AA × Fail

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 37.2242, 46.9006, 64.2175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

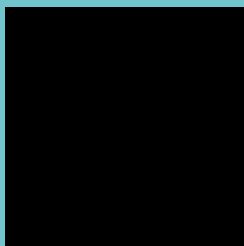
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

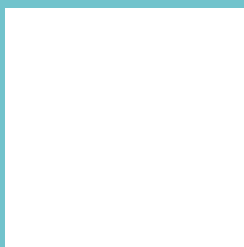
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2242, 46.9006, 64.2175

Background



This preview shows how black text looks on a background with the XYZ color 37.2242, 46.9006, 64.2175.

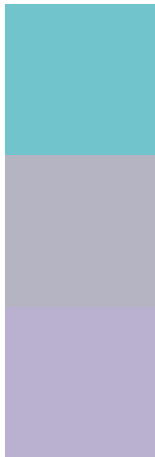


This preview shows how white text looks on a background with the XYZ color 37.2242, 46.9006,

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

37.2242, 46.9006, 64.2175

Protanopia

45.2276, 46.4064, 58.2033

Deuteranopia

47.3570, 46.4375, 66.1418



Tritanopia

37.9949, 46.8816, 68.0193

Trichromacy



Original Color

37.2242, 46.9006, 64.2175

Protanomaly

41.2523, 45.8431, 60.1004

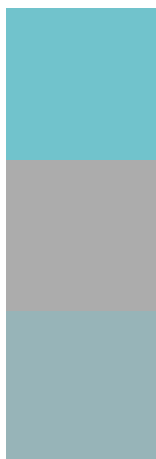
Deuteranomaly

42.7011, 46.1569, 65.6901

Tritanomaly

37.6164, 46.7150, 66.7088

Monochromacy



Original Color

37.2242, 46.9006, 64.2175

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.7355, 42.6825, 51.5971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2242, 46.9006, 64.2175 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(113, 195, 204)` looks like.

```
.text, #text, p{  
    color:rgb(113, 195, 204)  
}
```

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(113, 195, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 195, 204) }
```

Border

The CSS property to change the border of an element to XYZ 37.2242, 46.9006, 64.2175 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(113, 195, 204) }
```


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

```
.border{ border-color:rgb(113, 195, 204) }
```

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

Here you see how a box with a 4 pixel rgb(113, 195, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 195, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 195, 204);  
box-shadow:4px 4px 4px 4px rgb(113, 195,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2242, 46.9006, 64.2175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 195, 204) }
```

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

```
.background{ background-color: rgb(113,  
195, 204) }
```

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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