

Converting Colors

XYZ(42.7609, 49.3710, 72.0494)

Have a look what the booklet for
XYZ(42.7609, 49.3710, 72.0494)
contains.

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Color

**XYZ(42.6710, 49.2042,
72.2141)**

Conversions

Conversions Part 1

Format	Color
Hex	8DC2D8
RGB	141, 194, 216
RGB Percent	55%, 76%, 85%
CMY	0.4470, 0.2392, 0.1529
CMYK	0.35, 0.10, 0.00, 0.15
HSL	198°, 49%, 70%
HSV	198°, 35%, 85%
XYZ	42.6710, 49.2042, 72.2141
YIQ	180.6610, -38.6500, -4.3940

Conversions

Conversions Part 2

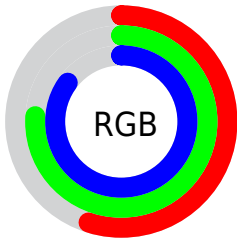
Format	Color
R _Y B	141, 172, 216
Decimal	9290456
CIE Lab	75.58, -11.88, -16.52
CIE LCh	76, 20.348, 234.286
Yxy	49.2042, 0.2600, 0.2999
Android (android.graphics.Color)	4287480536 (0xFF8DC2D8)
YUV	180.6610, 17.4221, -34.7827
Hunter-Lab	70.1457, -14.1700, -11.9363

Details

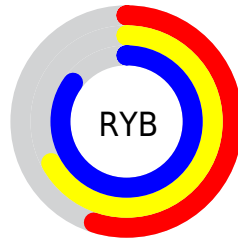
The XYZ color **42.6710, 49.2042, 72.2141** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.2246, 42.7171, 31.0096**, and the grayscale version is **43.6632, 45.9371, 50.0255**.

A 20% lighter version of the original color is **75.5731, 88.0847, 107.6267**, and **19.7416, 23.3556, 37.1858** is the 20% darker color. If you saturate the color by 10%, you get **37.9704, 44.7332, 71.5997**, and if you desaturate by 10%, it is **48.1510, 54.1685, 72.8843**.

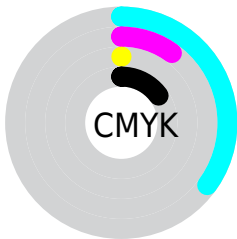
Distribution



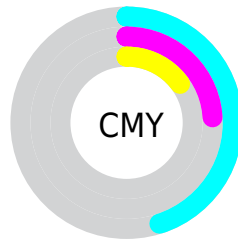
- Red (55%)
- Green (76%)
- Blue (85%)



- Red (55%)
- Yellow (67%)
- Blue (85%)



- Cyan (35%)
- Magenta (10%)
- Yellow (0%)
- Black (15%)



- Cyan (45%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6710, 49.2042, 72.2141 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 42.6710, 49.2042, 72.2141 by changing the saturation by 10% instead.

■ 42.6710, 49.2042,
72.2141

■ 42.6710, 49.2042,
72.2141

348.2015,
383.5457, 487.2840

■ 29.8205, 34.7815,
52.8457

■ 78.4730, 88.9947,
124.0714

■ 19.8497, 23.4946,
37.2927

■ 102.1551,
115.1312, 157.3974

■ 12.3935, 14.9591,
25.1366

130.1785,
145.9411, 196.2130

■ 7.0864, 8.7907,
15.9589

162.9085,
181.8089, 240.9368

■ 3.5630, 4.6049,
9.3411

200.7104,
223.1188, 291.9872

■ 1.4580, 2.0174,
4.8645

243.9496,

■ 0.2970, 0.6175,

270.2553, 349.7829

2.1106

292.9916,
323.6028, 414.7423

■ 0.0000, 0.0000,
0.6221

■ 0.0000, 0.0000,
0.0000

■ 42.6710, 49.2042,
72.2141

■ 42.6710, 49.2042,
72.2141

■ 37.9704, 44.7332,
71.5997

■ 48.1510, 54.1685,
72.8843

■ 34.0022, 40.7268,
71.0355

■ 54.4449, 59.6416,
73.6090

■ 30.7209, 37.1615,
70.5203

■ 61.5908, 65.6453,
74.3912

■ 28.0738, 34.0091,
70.0514

■ 69.6228, 72.1982,
75.2327

■ 25.9999, 31.2369,
69.6256

■ 78.5730, 79.3180,
76.1352

■ 24.4251, 28.8055,
69.2393

■ 82.4962, 83.9407,
76.8207

■ 23.7282, 27.6246,
69.0481

■ 84.3121, 87.5724,
77.4260

■ 86.1929, 91.3341,
78.0530

■ 88.1394, 95.2270,
78.7018

Harmonies

Analogous

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



40.4796, 49.2042, 62.5537



42.6710, 49.2042, 72.2141



46.0507, 49.2042, 76.9412

Triad

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



42.6710, 49.2042, 72.2141



54.3391, 49.2042, 55.6639



43.8551, 49.2042, 36.8258

Complementary

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



42.6710, 49.2042, 72.2141



46.2246, 42.7171, 31.0096

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.



47.4909, 49.2042, 35.4946



42.6710, 49.2042, 72.2141



53.6742, 49.2042, 45.4994

Square

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



42.6710, 49.2042, 72.2141



52.8887, 49.2042, 66.5986



51.1173, 49.2042, 38.4555



41.1371, 49.2042, 42.3706

Rectangle

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



42.6710, 49.2042, 72.2141



48.5746, 49.2042, 76.2589



51.1173, 49.2042, 38.4555



45.0050, 49.2042, 35.9048

Sweetspot

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



42.6725, 49.2061, 72.2152



83.9431, 90.8008, 107.7098



42.0854, 57.3930, 43.1602



17.6555, 19.1722, 23.0200



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.



42.6725, 49.2061, 72.2152



56.7893, 66.5958, 104.4689



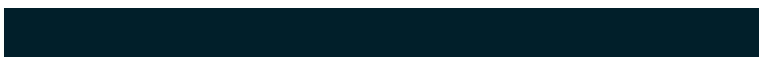
35.4797, 34.8206, 69.8177



12.4703, 13.4640, 15.8791



14.1420, 16.5457, 40.9014



0.9230, 1.1380, 2.4903

Inverse Universe

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



47.5827, 37.5451, 55.7801



65.2127, 47.7679, 76.0103



53.7241, 57.7160, 33.5094



12.7906, 12.5677, 14.8374



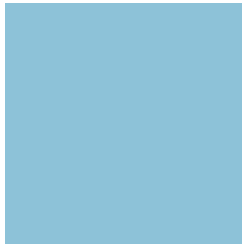
20.1971, 10.0151, 18.8736



1.2535, 0.6182, 1.3245

Previews

White Background



This preview shows how the XYZ color 42.6710, 49.2042, 72.2141 looks on a white background.

Color Contrast Check

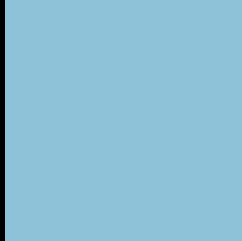
Large Text (above 18pt) WCAG AA × Fail

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 42.6710, 49.2042, 72.2141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

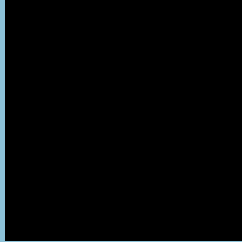
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6710, 49.2042, 72.2141

Background



This preview shows how black text looks on a background with the XYZ color 42.6710, 49.2042, 72.2141.



This preview shows how white text looks on a background with the XYZ color 42.6710, 49.2042,

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

42.6710, 49.2042, 72.2141

Protanopia

48.0648, 48.8792, 67.8741

Deuteranopia

50.0491, 48.8536, 73.8096



Tritanopia

42.0882, 49.3088, 68.9273

Trichromacy



Original Color

42.6710, 49.2042, 72.2141

Protanomaly

45.8032, 48.9354, 69.3187

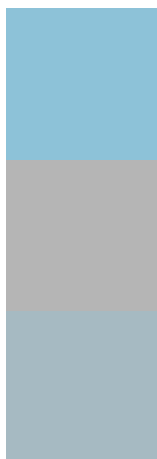
Deuteranomaly

47.0084, 48.8377, 73.2787

Tritanomaly

42.3406, 49.4098, 70.2562

Monochromacy



Original Color

42.6710, 49.2042, 72.2141

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.0224, 47.1198, 57.8665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6710, 49.2042, 72.2141 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(141, 194, 216)` looks like.

```
.text, #text, p{  
    color:rgb(141, 194, 216)  
}
```

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(141, 194, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 194, 216) }
```

Border

The CSS property to change the border of an element to XYZ 42.6710, 49.2042, 72.2141 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(141, 194, 216) }
```


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

```
.border{ border-color:rgb(141, 194, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 194, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 194, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 194, 216);  
box-shadow:4px 4px 4px 4px rgb(141, 194,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6710, 49.2042, 72.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 194, 216) }
```

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

```
.background{ background-color: rgb(141,  
194, 216) }
```

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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