

Converting Colors

XYZ(42.8276, 52.3640, 72.1400)

Have a look what the booklet for
XYZ(42.8276, 52.3640, 72.1400)
contains.

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Color

**XYZ(42.8276, 52.3640,
72.1400)**

Conversions

Conversions Part 1

Format	Color
Hex	82CBD7
RGB	130, 203, 215
RGB Percent	51%, 80%, 84%
CMY	0.4902, 0.2039, 0.1569
CMYK	0.40, 0.06, 0.00, 0.16
HSL	188°, 52%, 68%
HSV	188°, 40%, 84%
XYZ	42.8276, 52.3640, 72.1400
YIQ	182.5410, -47.3600, -11.7440

Conversions

Conversions Part 2

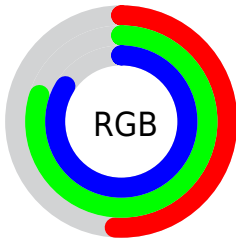
Format	Color
RYB	130, 169, 215
Decimal	8571863
CIELab	77.50, -19.69, -13.15
CIELCh	77, 23.675, 213.747
Yxy	52.3640, 0.2559, 0.3129
Android (android.graphics.Color)	4286761943 (0xFF82CBD7)
YUV	182.5410, 16.0023, -46.0785
Hunter-Lab	72.3630, -20.9910, -8.4532

Details

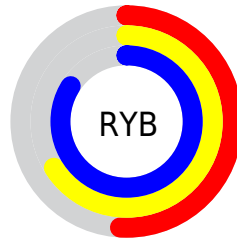
The XYZ color **42.8276, 52.3640, 72.1400** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.7275, 35.4055, 25.7551**, and the grayscale version is **44.6937, 47.0212, 51.2061**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **19.9943, 25.5288, 37.1315** is the 20% darker color. If you saturate the color by 10%, you get **39.1587, 49.4203, 71.7661**, and if you desaturate by 10%, it is **47.2027, 55.6951, 72.5533**.

Distribution



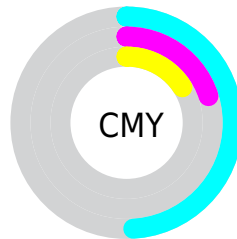
- Red (51%)
- Green (80%)
- Blue (84%)



- Red (51%)
- Yellow (66%)
- Blue (84%)



- Cyan (40%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)



- Cyan (49%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8276, 52.3640, 72.1400 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 42.8276, 52.3640, 72.1400 by changing the saturation by 10% instead.

■ 42.8276, 52.3640,
72.1400

■ 42.8276, 52.3640,
72.1400

348.8358,
395.8402, 487.0194

■ 29.9438, 37.2953,
52.7855

■ 78.7080, 93.6678,
123.9651

■ 19.9438, 25.4362,
37.2450

■ 102.4353,
120.6718, 157.2728

■ 12.4622, 16.4023,
25.1000

■ 130.5078,
152.4229, 196.0687

■ 7.1337, 9.8093,
15.9319

163.2908,
189.3056, 240.7713

■ 3.5929, 5.2727,
9.3221

201.1498,
231.7043, 291.7991

■ 1.4745, 2.4081,
4.8522

244.4501,

■ 0.3084, 0.8301,

280.0034, 349.5707

2.1036

293.5570,
334.5872, 414.5046

■ 0.0000, 0.0000,
0.6179

■ 0.0000, 0.0000,
0.0000

■ 42.8276, 52.3640,
72.1400

■ 42.8276, 52.3640,
72.1400

■ 39.1587, 49.4203,
71.7661

■ 47.2027, 55.6951,
72.5533

■ 36.1480, 46.8353,
71.4258

■ 52.3188, 59.4279,
73.0041

■ 33.7487, 44.5861,
71.1181

■ 58.2142, 63.5835,
73.4955

■ 31.9060, 42.6443,
70.8405

■ 64.9229, 68.1796,
74.0291

■ 30.5548, 40.9763,
70.5897

■ 72.4772, 73.2329,
74.6063

■ 29.5845, 39.5249,
70.3607

■ 79.4185, 77.9916,
75.1590

■ 29.5424, 39.4593,
70.3503

■ 80.2281, 79.6108,
75.4288

■ 81.0523, 81.2591,
75.7036

■ 81.8911, 82.9367,
75.9832

Harmonies

Analogous

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



41.5210, 52.3640, 58.6730



42.8276, 52.3640, 72.1400



45.9906, 52.3640, 82.6422

Triad

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



42.8276, 52.3640, 72.1400



58.0586, 52.3640, 68.8644



49.1994, 52.3640, 35.4430

Complementary

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



42.8276, 52.3640, 72.1400



41.7275, 35.4055, 25.7551

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.



53.7519, 52.3640, 37.3235



42.8276, 52.3640, 72.1400



59.0460, 52.3640, 55.3895

Square

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



42.8276, 52.3640, 72.1400



54.8038, 52.3640, 80.5573



57.4257, 52.3640, 44.1681



45.0550, 52.3640, 38.5750

Rectangle

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



42.8276, 52.3640, 72.1400



48.8212, 52.3640, 85.8091



57.4257, 52.3640, 44.1681



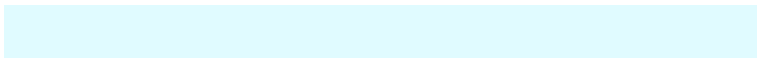
50.7319, 52.3640, 35.5128

Sweetspot

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



42.8292, 52.3660, 72.1412



83.3121, 91.9263, 107.9603



38.3401, 55.2808, 33.9804



17.5815, 19.5002, 23.0872



0.0000, 0.0000, 0.0000



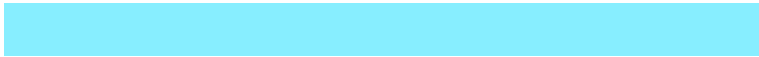
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8292, 52.3660, 72.1412



58.6644, 73.5806, 105.7183



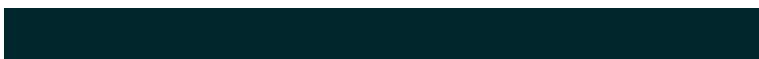
34.2469, 35.2015, 69.2805



12.6358, 13.7950, 15.9342



17.7288, 23.7193, 42.0970



1.1113, 1.5146, 2.5531

Inverse Universe

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



46.7878, 34.7255, 60.7389



65.3697, 44.8077, 86.1560



49.1606, 50.2718, 28.2328



12.8741, 12.6011, 15.2774



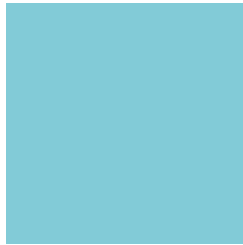
22.0075, 10.7393, 28.4073



1.3486, 0.6562, 1.8249

Previews

White Background



This preview shows how the XYZ color 42.8276, 52.3640, 72.1400 looks on a white background.

Color Contrast Check

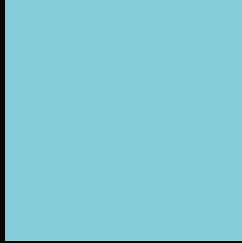
Large Text (above 18pt) WCAG AA × Fail

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 42.8276, 52.3640, 72.1400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

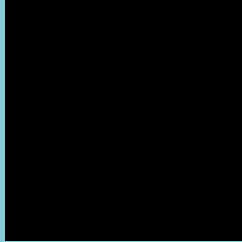
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8276, 52.3640, 72.1400

Background



This preview shows how black text looks on a background with the XYZ color 42.8276, 52.3640, 72.1400.

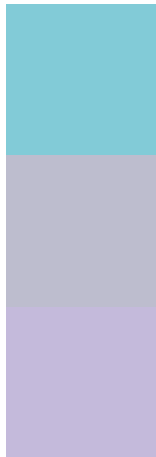


This preview shows how white text looks on a background with the XYZ color 42.8276, 52.3640,

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

42.8276, 52.3640, 72.1400

Protanopia

50.3244, 51.6702, 65.7135

Deuteranopia

53.1100, 51.9680, 74.2495



Tritanopia

43.2668, 52.1808, 74.8093

Trichromacy



Original Color

42.8276, 52.3640, 72.1400

Protanomaly

46.9489, 51.5119, 67.7899

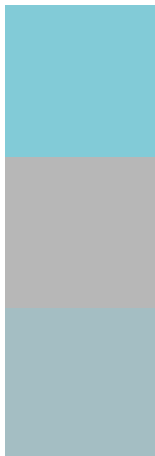
Deuteranomaly

48.5178, 51.5319, 73.7192

Tritanomaly

43.1355, 52.1283, 74.1180

Monochromacy



Original Color

42.8276, 52.3640, 72.1400

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.5736, 48.6596, 58.7254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8276, 52.3640, 72.1400 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(130, 203, 215)` looks like.

```
.text, #text, p{  
    color:rgb(130, 203, 215)  
}
```

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(130, 203, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 203, 215) }
```

Border

The CSS property to change the border of an element to XYZ 42.8276, 52.3640, 72.1400 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(130, 203, 215) }
```


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

```
.border{ border-color:rgb(130, 203, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 203, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 203, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 203, 215);  
box-shadow:4px 4px 4px 4px rgb(130, 203,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8276, 52.3640, 72.1400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 203, 215) }
```

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

```
.background{ background-color: rgb(130,  
203, 215) }
```

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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