

Converting Colors

XYZ(42.9211, 51.3657, 71.9452)

Have a look what the booklet for
XYZ(42.9211, 51.3657, 71.9452)
contains.

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Color

**XYZ(42.9117, 51.3657,
71.9429)**

Conversions

Conversions Part 1

Format	Color
Hex	87C8D7
RGB	135, 200, 215
RGB Percent	53%, 78%, 84%
CMY	0.4706, 0.2157, 0.1569
CMYK	0.37, 0.07, 0.00, 0.16
HSL	191°, 50%, 69%
HSV	191°, 37%, 84%
XYZ	42.9117, 51.3657, 71.9429
YIQ	182.2750, -43.5550, -9.1150

Conversions

Conversions Part 2

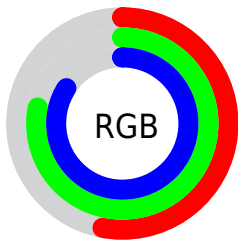
Format	Color
RYB	135, 171, 215
Decimal	8898775
CIELab	76.90, -16.86, -14.02
CIElCh	77, 21.928, 219.758
Yxy	51.3657, 0.2582, 0.3090
Android (android.graphics.Color)	4287088855 (0xFF87C8D7)
YUV	182.2750, 16.1334, -41.4602
Hunter-Lab	71.6699, -18.5470, -9.3470

Details

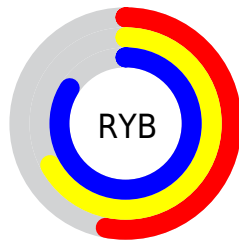
The XYZ color **42.9117, 51.3657, 71.9429** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.3048, 38.0099, 27.9773**, and the grayscale version is **44.5463, 46.8662, 51.0373**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **20.0174, 24.8452, 36.9983** is the 20% darker color. If you saturate the color by 10%, you get **38.8747, 47.9181, 71.4911**, and if you desaturate by 10%, it is **47.6749, 55.2267, 72.4380**.

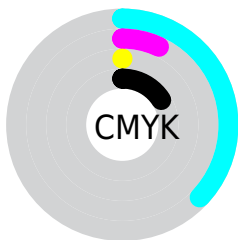
Distribution



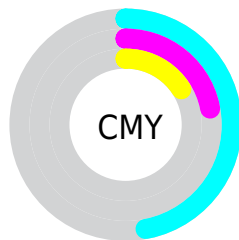
- Red (53%)
- Green (78%)
- Blue (84%)



- Red (53%)
- Yellow (67%)
- Blue (84%)



- Cyan (37%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)





- Cyan (47%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9117, 51.3657, 71.9429 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 42.9117, 51.3657, 71.9429 by changing the saturation by 10% instead.


 42.9117, 51.3657,
71.9429


 42.9117, 51.3657,
71.9429


349.1762,
391.9829, 486.3150

 30.0101, 36.4997,
52.6255


 78.8341, 92.1951,
123.6823

 19.9943, 24.8204,
37.1182


 102.5856,
118.9273, 156.9414

 12.4992, 15.9433,
25.0025

 130.6845,
150.3838, 195.6848

 7.1592, 9.4840,
15.8599

163.4960,
186.9488, 240.3310

 3.6091, 5.0582,
9.2718

201.3856,
229.0069, 291.2986

 1.4834, 2.2815,
4.8197

244.7186,

 0.3145, 0.7639,

276.9423, 349.0061

2.0850

293.8603,
331.1395, 413.8721

■ 0.0000, 0.0000,
0.6068

■ 0.0000, 0.0000,
0.0000

■ 42.9117, 51.3657,
71.9429

■ 42.9117, 51.3657,
71.9429

■ 38.8747, 47.9181,
71.4911

■ 47.6749, 55.2267,
72.4380

■ 35.5167, 44.8556,
71.0770

■ 53.1987, 59.5153,
72.9746

■ 32.7924, 42.1556,
70.6994

■ 59.5206, 64.2525,
73.5558

■ 30.6483, 39.7906,
70.3559

■ 66.6744, 69.4559,
74.1831

■ 29.0222, 37.7280,
70.0435

■ 74.6918, 75.1422,
74.8581

■ 27.8308, 35.9246,
69.7582

■ 80.2123, 79.5790,
75.4236

■ 27.5362, 35.4469,
69.6815

■ 81.3097, 81.7739,
75.7894

■ 82.4330, 84.0205,
76.1638

■ 83.5823, 86.3192,
76.5469

Harmonies

Analogous

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



41.3360, 51.3657, 59.9128



42.9117, 51.3657, 71.9429



46.0988, 51.3657, 80.3669

Triad

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



42.9117, 51.3657, 71.9429



56.7400, 51.3657, 64.2581



47.4747, 51.3657, 36.2076

Complementary

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



42.9117, 51.3657, 71.9429



43.3048, 38.0099, 27.9773

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.



51.6494, 51.3657, 37.0266



42.9117, 51.3657, 71.9429



57.1603, 51.3657, 52.1249

Square

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



42.9117, 51.3657, 71.9429



54.1328, 51.3657, 75.5105



55.2505, 51.3657, 42.4866



43.8696, 51.3657, 40.0634

Rectangle

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



42.9117, 51.3657, 71.9429



48.7877, 51.3657, 82.1866



55.2505, 51.3657, 42.4866



48.8554, 51.3657, 35.9596

Sweetspot

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



42.9133, 51.3677, 71.9441



83.8180, 91.7532, 107.9002



39.7715, 55.9442, 37.4171



17.6665, 19.4339, 23.0699



0.0000, 0.0000, 0.0000



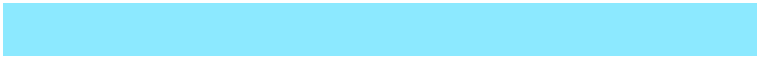
20.3446, 21.4041, 23.3091

Same Dimension

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



42.9133, 51.3677, 71.9441



58.1843, 71.3710, 105.3171



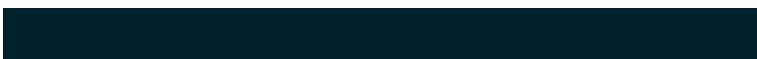
34.8874, 35.3160, 69.2688



12.5851, 13.6936, 15.9173



16.5428, 21.3474, 41.7017



1.0501, 1.3922, 2.5327

Inverse Universe

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



47.1150, 35.9466, 59.1008



65.4323, 46.0004, 82.8861



50.7400, 52.8802, 30.4557



12.8485, 12.5909, 15.1425



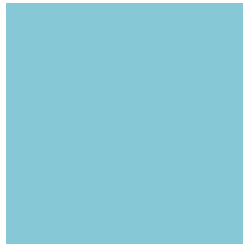
21.4089, 10.4999, 25.2551



1.3177, 0.6439, 1.6623

Previews

White Background



This preview shows how the XYZ color 42.9117, 51.3657, 71.9429 looks on a white background.

Color Contrast Check

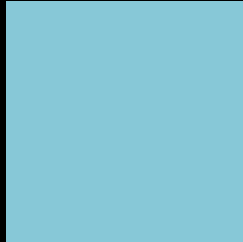
Large Text (above 18pt) WCAG AA × Fail

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 42.9117, 51.3657, 71.9429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

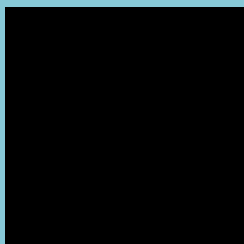
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

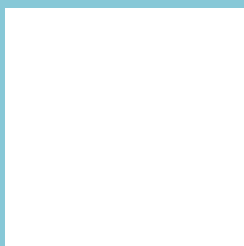
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9117, 51.3657, 71.9429

Background



This preview shows how black text looks on a background with the XYZ color 42.9117, 51.3657, 71.9429.



This preview shows how white text looks on a background with the XYZ color 42.9117, 51.3657,

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

42.9117, 51.3657, 71.9429

Protanopia

49.7392, 51.0362, 66.2609

Deuteranopia

51.7877, 50.6804, 73.3825



Tritanopia

43.0406, 51.4173, 72.6218

Trichromacy



Original Color

42.9117, 51.3657, 71.9429

Protanomaly

46.6309, 50.6772, 68.2967

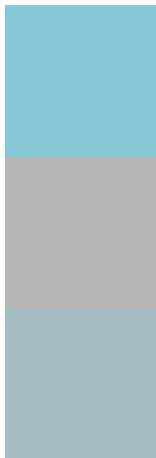
Deuteranomaly

47.9511, 50.6073, 72.8865

Tritanomaly

43.0406, 51.4173, 72.6218

Monochromacy



Original Color

42.9117, 51.3657, 71.9429

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.4523, 48.2896, 58.0696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9117, 51.3657, 71.9429 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(135, 200, 215)` looks like.

```
.text, #text, p{  
    color:rgb(135, 200, 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(135, 200, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 200, 215) }
```

Border

The CSS property to change the border of an element to XYZ 42.9117, 51.3657, 71.9429 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(135, 200, 215) }
```


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

```
.border{ border-color:rgb(135, 200, 215) }
```

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

Here you see how a box with a 4 pixel rgb(135, 200, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 200, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 200, 215);  
box-shadow:4px 4px 4px 4px rgb(135, 200,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9117, 51.3657, 71.9429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 200, 215) }
```

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

```
.background{ background-color: rgb(135,  
200, 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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