

Converting Colors

XYZ(42.1419, 51.4300, 66.7375)

Have a look what the booklet for
XYZ(42.1419, 51.4300, 66.7375)
contains.

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Color

**XYZ(42.1408, 51.4292,
66.7373)**

Conversions

Conversions Part 1

Format	Color
Hex	87C9CF
RGB	135, 201, 207
RGB Percent	53%, 79%, 81%
CMY	0.4706, 0.2118, 0.1882
CMYK	0.35, 0.03, 0.00, 0.19
HSL	185°, 43%, 67%
HSV	185°, 35%, 81%
XYZ	42.1408, 51.4292, 66.7373
YIQ	181.9500, -41.2620, -12.1260

Conversions

Conversions Part 2

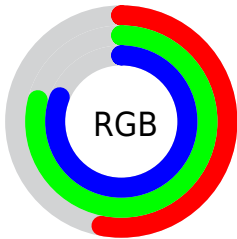
Format	Color
RYB	135, 169, 207
Decimal	8899023
CIELab	76.94, -19.33, -9.65
CIELCh	77, 21.608, 206.528
Yxy	51.4292, 0.2629, 0.3208
Android (android.graphics.Color)	4287089103 (0xFF87C9CF)
YUV	181.9500, 12.3497, -41.1751
Hunter-Lab	71.7142, -20.6093, -4.9755

Details

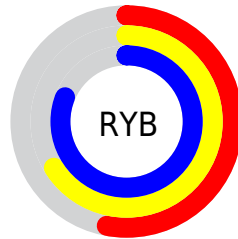
The XYZ color **42.1408, 51.4292, 66.7373** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.6309, 34.0649, 27.4092**, and the grayscale version is **44.3885, 46.7001, 50.8564**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **19.5768, 24.9167, 33.9146** is the 20% darker color. If you saturate the color by 10%, you get **38.7293, 49.0783, 66.4642**, and if you desaturate by 10%, it is **46.2074, 54.1270, 67.0446**.

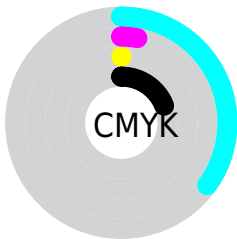
Distribution



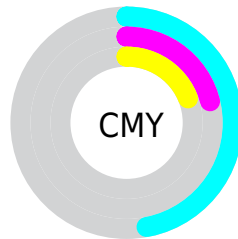
- Red (53%)
- Green (79%)
- Blue (81%)



- Red (53%)
- Yellow (66%)
- Blue (81%)



- Cyan (35%)
- Magenta (3%)
- Yellow (0%)
- Black (19%)



- Cyan (47%)
- Magenta (21%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1408, 51.4292, 66.7373 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 42.1408, 51.4292, 66.7373 by changing the saturation by 10% instead.

■ 42.1408, 51.4292,
66.7373

■ 42.1408, 51.4292,
66.7373

346.0480,
392.2290, 467.4851

■ 29.4031, 36.5503,
48.4109

■ 77.6765, 92.2889,
116.1810

■ 19.5318, 24.8595,
33.7901

■ 101.2053,
119.0385, 148.1354

■ 12.1615, 15.9724,
22.4563

■ 129.0618,
150.5137, 185.4695

■ 6.9267, 9.5046,
13.9911

161.6114,
187.0991, 228.6019

■ 3.4622, 5.0718,
7.9758

199.2195,
229.1789, 277.9511

■ 1.4027, 2.2894,
3.9919

242.2513,

■ 0.2581, 0.7681,

277.1375, 333.9357

1.6209

291.0724,
331.3594, 396.9742

■ 0.0000, 0.0000,
0.3057

■ 0.0000, 0.0000,
0.0000

■ 42.1408, 51.4292,
66.7373

■ 42.1408, 51.4292,
66.7373

■ 38.7293, 49.0783,
66.4642

■ 46.2074, 54.1270,
67.0446

■ 35.9306, 47.0488,
66.2200

■ 50.9591, 57.1834,
67.3841

■ 33.7047, 45.3212,
66.0038

■ 56.4296, 60.6172,
67.7585

■ 32.0047, 43.8714,
65.8136

■ 62.6492, 64.4439,
68.1693

■ 30.7766, 42.6714,
65.6467

■ 69.6462, 68.6781,
68.6179

■ 29.9542, 41.6872,
65.5001

■ 75.8840, 72.5277,
69.0321

■ 29.6236, 41.2270,
65.4287

■ 76.3156, 73.3910,
69.1760

■ 76.7519, 74.2636,
69.3214

■ 77.1928, 75.1453,
69.4684

Harmonies

Analogous

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



41.4039, 51.4292, 54.6371



42.1408, 51.4292, 66.7373



44.6479, 51.4292, 77.0996

Triad

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



42.1408, 51.4292, 66.7373



55.7814, 51.4292, 69.4439



49.3625, 51.4292, 36.2927

Complementary

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



42.1408, 51.4292, 66.7373



39.6309, 34.0649, 27.4092

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.



53.3755, 51.4292, 39.1469



42.1408, 51.4292, 66.7373



57.2101, 51.4292, 57.3807

Square

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



42.1408, 51.4292, 66.7373



52.5006, 51.4292, 78.8099



56.3061, 51.4292, 46.4768



45.4334, 51.4292, 38.0762

Rectangle

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



42.1408, 51.4292, 66.7373



47.0622, 51.4292, 81.0432



56.3061, 51.4292, 46.4768



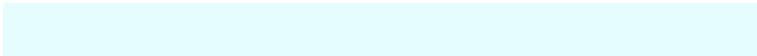
50.7479, 51.4292, 36.7301

Sweetspot

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



42.1423, 51.4312, 66.7385



85.6090, 94.1325, 108.2651



37.0244, 51.6651, 32.7558



18.0607, 19.9827, 23.1551



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.



42.1423, 51.4312, 66.7385



63.2242, 79.4657, 106.6139



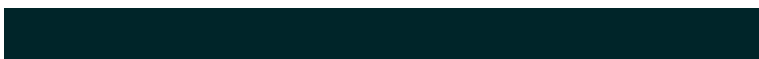
34.9279, 37.0023, 64.3337



12.0706, 13.2315, 15.1614



18.6978, 26.0421, 41.2336



1.0709, 1.5069, 2.3140

Inverse Universe

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



44.9400, 34.8116, 59.6114



68.4608, 49.0671, 93.1143



45.5925, 45.9881, 29.3964



12.2665, 11.9914, 14.6794



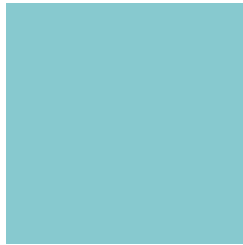
22.0685, 10.7002, 31.5965



1.2468, 0.6034, 1.8342

Previews

White Background



This preview shows how the XYZ color 42.1408, 51.4292, 66.7373 looks on a white background.

Color Contrast Check

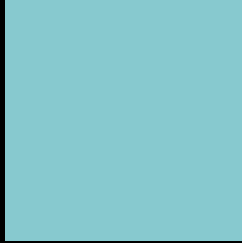
Large Text (above 18pt) WCAG AA × Fail

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 42.1408, 51.4292, 66.7373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

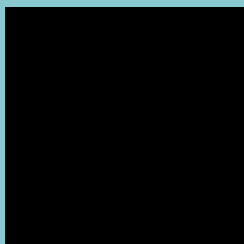
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

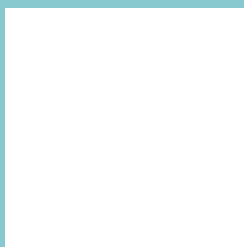
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1408, 51.4292, 66.7373

Background



This preview shows how black text looks on a background with the XYZ color 42.1408, 51.4292, 66.7373.

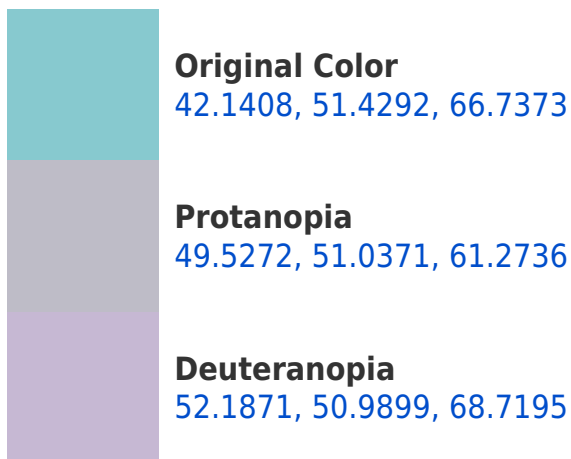


This preview shows how white text looks on a background with the XYZ color 42.1408, 51.4292,

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





Tritanopia

43.3655, 51.5848, 72.6370

Trichromacy



Original Color

42.1408, 51.4292, 66.7373

Protanomaly

46.3082, 50.9502, 63.2708

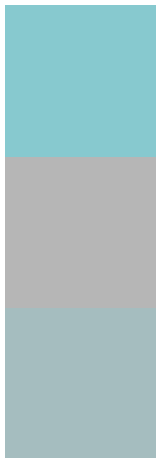
Deuteranomaly

47.7255, 50.5940, 68.2230

Tritanomaly

42.8179, 51.3469, 70.6050

Monochromacy



Original Color

42.1408, 51.4292, 66.7373

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.1186, 48.1561, 56.3127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1408, 51.4292, 66.7373 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, 201, 207)` looks like.

```
.text, #text, p{  
    color:rgb(135, 201, 207)  
}
```

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, 201, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 201, 207) }
```

Border

The CSS property to change the border of an element to XYZ 42.1408, 51.4292, 66.7373 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, 201, 207) }
```


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

```
.border{ border-color:rgb(135, 201, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 201, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 201, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 201, 207);  
box-shadow:4px 4px 4px 4px rgb(135, 201,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1408, 51.4292, 66.7373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 201, 207) }
```

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

```
.background{ background-color: rgb(135,  
201, 207) }
```

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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