

Converting Colors

XYZ(42.6293, 55.0366, 69.3175)

Have a look what the booklet for
XYZ(42.6293, 55.0366, 69.3175)
contains.

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Color

**XYZ(42.8123, 55.3066,
69.3916)**

Conversions

Conversions Part 1

Format	Color
Hex	79D3D2
RGB	121, 211, 210
RGB Percent	47%, 83%, 82%
CMY	0.5255, 0.1725, 0.1765
CMYK	0.43, 0.00, 0.00, 0.17
HSL	179°, 51%, 65%
HSV	179°, 43%, 83%
XYZ	42.8123, 55.3066, 69.3916
YIQ	183.9760, -53.3190, -19.3910

Conversions

Conversions Part 2

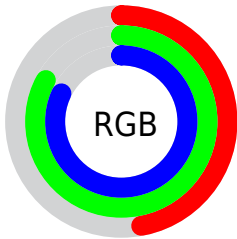
Format	Color
R _{YB}	121, 166, 211
Decimal	7984082
CIE Lab	79.22, -27.14, -7.94
CIE LCh	79, 28.282, 196.314
Yxy	55.3066, 0.2556, 0.3302
Android (android.graphics.Color)	4286174162 (0xFF79D3D2)
YUV	183.9760, 12.8298, -55.2300
Hunter-Lab	74.3684, -27.3861, -3.2644

Details

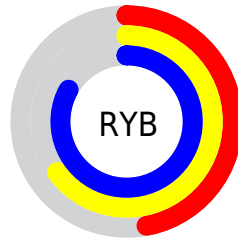
The XYZ color **42.8123, 55.3066, 69.3916** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.2161, 28.9305, 22.0370**, and the grayscale version is **45.5006, 47.8702, 52.1306**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **19.9391, 27.2340, 35.6583** is the 20% darker color. If you saturate the color by 10%, you get **40.1438, 53.9357, 69.1152**, and if you desaturate by 10%, it is **46.1308, 57.0153, 69.7010**.

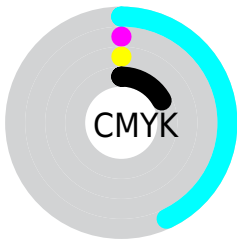
Distribution



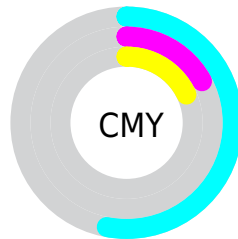
- Red (47%)
- Green (83%)
- Blue (82%)



- Red (47%)
- Yellow (65%)
- Blue (83%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)



- Cyan (53%)
- Magenta (17%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8123, 55.3066, 69.3916 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 42.8123, 55.3066, 69.3916 by changing the saturation by 10% instead.

42.8123, 55.3066,
69.3916

42.8123, 55.3066,
69.3916

348.7739,
407.0731, 477.1422

29.9318, 39.6473,
50.5570

78.6850, 97.9900,
120.0137

19.9346, 27.2636,
35.4819

102.4079,
125.7829, 152.6382

12.4555, 17.7713,
23.7478

130.4756,
158.3891, 190.6965

7.1291, 10.7859,
14.9362

163.2535,
196.1929, 234.6069

3.5900, 5.9231,
8.6285

201.1069,
239.5788, 284.7882

1.4729, 2.7984,
4.4062

244.4012,

0.3073, 1.0274,

288.9313, 341.6588

1.8507

293.5017,
344.6345, 405.6373

■ 0.0000, 0.0000,
0.4611

■ 0.0000, 0.0000,
0.0000

■ 42.8123, 55.3066,
69.3916

■ 42.8123, 55.3066,
69.3916

■ 40.1438, 53.9357,
69.1152

■ 46.1308, 57.0153,
69.7010

■ 38.0779, 52.8740,
68.8661

■ 50.1331, 59.0751,
70.0415

■ 36.5683, 52.0991,
68.6432

■ 54.8566, 61.5068,
70.4159

■ 35.5602, 51.5828,
68.4440

■ 60.3345, 64.3274,
70.8259

■ 34.9876, 51.2910,
68.2654

■ 66.5981, 67.5530,
71.2728

■ 34.7610, 51.1766,
68.1434

■ 73.6766, 71.1987,
71.7581

■ 76.3742, 72.5859,
72.0386

■ 76.4038, 72.5978,
72.1945

■ 76.4334, 72.6096,
72.3506

Harmonies

Analogous

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



42.6999, 55.3066, 53.1519



42.8123, 55.3066, 69.3916



45.4129, 55.3066, 85.6452

Triad

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



42.8123, 55.3066, 69.3916



60.8237, 55.3066, 84.3753



55.1806, 55.3066, 34.7597

Complementary

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



42.8123, 55.3066, 69.3916



37.2161, 28.9305, 22.0370

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.



60.4361, 55.3066, 40.4011



42.8123, 55.3066, 69.3916



63.8484, 55.3066, 67.8874

Square

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



42.8123, 55.3066, 69.3916



55.6793, 55.3066, 95.2995



63.7017, 55.3066, 51.8935



49.5734, 55.3066, 35.0165

Rectangle

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



42.8123, 55.3066, 69.3916



48.3214, 55.3066, 93.4528



63.7017, 55.3066, 51.8935



57.0548, 55.3066, 35.9787

Sweetspot

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



42.8139, 55.3088, 69.3929



83.8289, 94.2222, 108.0650



34.8442, 52.1454, 26.3191



17.5781, 19.9797, 23.1020



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.



42.8139, 55.3088, 69.3929



62.0279, 83.0033, 106.1423



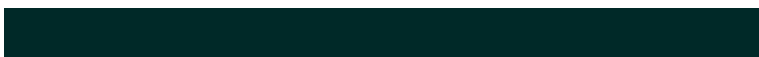
33.5553, 36.5910, 66.9246



12.1525, 13.4047, 15.1593



20.9802, 30.8850, 41.1373



1.1750, 1.7276, 2.3100

Inverse Universe

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



37.2161, 28.9305, 22.0370



52.3589, 37.4312, 24.3389



43.6822, 41.9616, 23.8876



11.8140, 11.8103, 12.2964



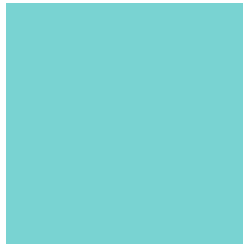
16.2227, 8.3619, 0.8128



0.9090, 0.4683, 0.0555

Previews

White Background



This preview shows how the XYZ color 42.8123, 55.3066, 69.3916 looks on a white background.

Color Contrast Check

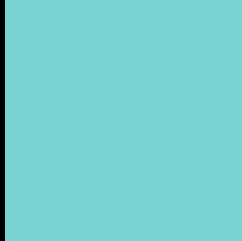
Large Text (above 18pt) WCAG AA × Fail

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 42.8123, 55.3066, 69.3916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

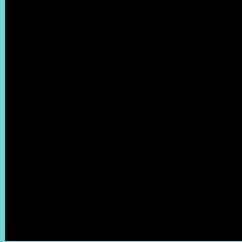
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8123, 55.3066, 69.3916

Background



This preview shows how black text looks on a background with the XYZ color 42.8123, 55.3066, 69.3916.



This preview shows how white text looks on a background with the XYZ color 42.8123, 55.3066,

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

42.8123, 55.3066, 69.3916

Protanopia

52.7431, 54.6240, 62.4072

Deuteranopia

55.8560, 54.7123, 71.9066



Tritanopia

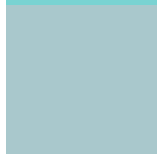
44.9953, 55.4728, 79.5700

Trichromacy



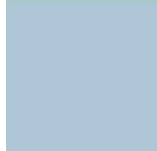
Original Color

42.8123, 55.3066, 69.3916



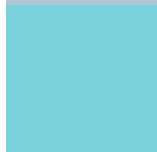
Protanomaly

47.9155, 54.1032, 65.0443



Deuteranomaly

49.6599, 54.1909, 70.7933



Tritanomaly

44.2770, 55.5456, 76.0979

Monochromacy



Original Color

42.8123, 55.3066, 69.3916



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.6154, 50.0109, 57.8064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8123, 55.3066, 69.3916 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(121, 211, 210)` looks like.

```
.text, #text, p{  
    color:rgb(121, 211, 210)  
}
```

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(121, 211, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 211, 210) }
```

Border

The CSS property to change the border of an element to XYZ 42.8123, 55.3066, 69.3916 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(121, 211, 210) }
```


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

```
.border{ border-color:rgb(121, 211, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 211, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 211, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 211, 210);  
box-shadow:4px 4px 4px 4px rgb(121, 211,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8123, 55.3066, 69.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 211, 210) }
```

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

```
.background{ background-color: rgb(121,  
211, 210) }
```

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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