

Converting Colors

XYZ(42.5584, 56.9872, 55.3874)

Have a look what the booklet for
XYZ(42.5584, 56.9872, 55.3874)
contains.

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Color

**XYZ(42.5234, 56.9713,
55.2097)**

Conversions

Conversions Part 1

Format	Color
Hex	83D7BA
RGB	131, 215, 186
RGB Percent	51%, 84%, 73%
CMY	0.4863, 0.1568, 0.2706
CMYK	0.39, 0.00, 0.13, 0.16
HSL	159°, 51%, 68%
HSV	159°, 39%, 84%
XYZ	42.5234, 56.9713, 55.2097
YIQ	186.5780, -40.7550, -26.8270

Conversions

Conversions Part 2

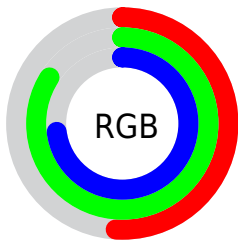
Format	Color
RYB	131, 182, 215
Decimal	8640442
CIELab	80.16, -32.08, 6.32
CIELCh	80, 32.700, 168.864
Yxy	56.9713, 0.2749, 0.3683
Android (android.graphics.Color)	4286830522 (0xFF83D7BA)
YUV	186.5780, -0.2850, -48.7419
Hunter-Lab	75.4793, -31.5259, 9.4676

Details

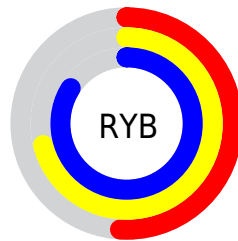
The XYZ color **42.5234, 56.9713, 55.2097** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **42.4877, 33.2191, 37.4324**, and the grayscale version is **47.0157, 49.4641, 53.8664**.

A 20% lighter version of the original color is **72.2805, 88.4956, 97.2762**, and **19.7849, 28.3716, 26.6238** is the 20% darker color. If you saturate the color by 10%, you get **38.7642, 55.1237, 51.0215**, and if you desaturate by 10%, it is **47.0178, 59.1961, 59.6488**.

Distribution



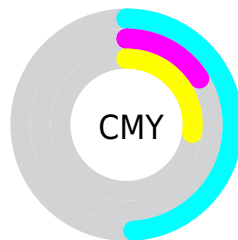
- Red (51%)
- Green (84%)
- Blue (73%)



- Red (51%)
- Yellow (71%)
- Blue (84%)



- Cyan (39%)
- Magenta (0%)
- Yellow (13%)
- Black (16%)





- Cyan (49%)
- Magenta (16%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5234, 56.9713, 55.2097 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 42.5234, 56.9713, 55.2097 by changing the saturation by 10% instead.


 42.5234, 56.9713,
55.2097


 42.5234, 56.9713,
55.2097


347.6029,
413.3418, 424.0107

 29.7042, 40.9822,
39.1699


 78.2514, 100.4233,
99.3224

 19.7612, 28.3052,
26.5831

 101.8909,
128.6550, 128.2323

 12.3288, 18.5558,
17.0307


 129.8679,
161.7364, 162.2694

 7.0418, 11.3498,
10.0942

162.5478,
200.0518, 201.8521

 3.5348, 6.3026,
5.3550

200.2958,
243.9856, 247.3991

 1.4425, 3.0300,
2.3947

243.4775,

 0.2862, 1.1474,

293.9223, 299.3288

0.7835

292.4581,
350.2462, 358.0598

■ 0.0000, 0.0181,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.5234, 56.9713,
55.2097

■ 42.5234, 56.9713,
55.2097

■ 38.7642, 55.1237,
51.0215

■ 47.0178, 59.1961,
59.6488

■ 35.6916, 53.6239,
47.0750


■ 52.2825, 61.8118,
64.3400


■ 33.2588, 52.4493,
43.3660


■ 58.3560, 64.8396,
69.2892


■ 31.4106, 51.5716,
39.8886


■ 65.2731, 68.2973,
74.5013


 30.0820, 50.9573,
36.6362


 73.0661, 72.2015,
79.9805


 29.1687, 50.5527,
33.6004

 79.9005, 75.6065,
85.6441

 29.0922, 50.5192,
33.3283

 80.9688, 76.0338,
91.2697

 82.0821, 76.4791,
97.1323

 83.2409, 76.9427,
103.2344

Harmonies

Analogous

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



45.0596, 56.9713, 40.8841



42.5234, 56.9713, 55.2097



42.9050, 56.9713, 74.6716

Triad

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



42.5234, 56.9713, 55.2097



58.3996, 56.9713, 103.6491



63.0254, 56.9713, 38.2921

Complementary

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



42.5234, 56.9713, 55.2097



42.4877, 33.2191, 37.4324

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.



67.2047, 56.9713, 50.9060



42.5234, 56.9713, 55.2097



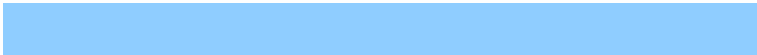
64.3864, 56.9713, 89.4455

Square

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



42.5234, 56.9713, 55.2097



51.7118, 56.9713, 105.4622



67.7222, 56.9713, 69.3945



56.6627, 56.9713, 32.5394

Rectangle

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



42.5234, 56.9713, 55.2097



44.7712, 56.9713, 88.0297



67.7222, 56.9713, 69.3945



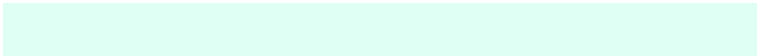
64.7538, 56.9713, 41.7345

Sweetspot

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



42.5250, 56.9736, 55.2110



83.0199, 93.9894, 99.7009



42.9762, 57.7568, 30.3567



17.5130, 19.9896, 21.1331



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.



42.5250, 56.9736, 55.2110



57.8650, 81.5190, 76.0496



42.8421, 52.1627, 72.1030



12.6016, 14.0316, 14.9823



17.4516, 30.2360, 20.2055



1.0909, 1.8390, 1.4203

Inverse Universe

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



42.4877, 33.2191, 37.4324



57.8139, 41.7854, 46.3677



42.0356, 35.9128, 26.1899



12.5985, 12.4909, 13.8258



17.5510, 8.9567, 4.9397



1.0970, 0.5556, 0.5001

Previews

White Background



This preview shows how the XYZ color 42.5234, 56.9713, 55.2097 looks on a white background.

Color Contrast Check

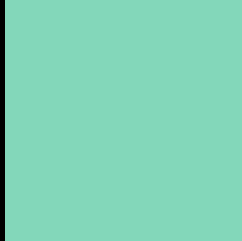
Large Text (above 18pt) WCAG AA × Fail

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 42.5234, 56.9713, 55.2097 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

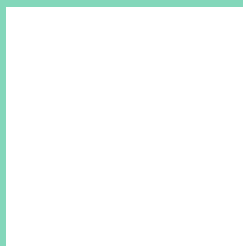
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.5234, 56.9713, 55.2097

Background



This preview shows how black text looks on a background with the XYZ color 42.5234, 56.9713, 55.2097.



This preview shows how white text looks on a background with the XYZ color 42.5234, 56.9713,

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

42.5234, 56.9713, 55.2097

Protanopia

53.3557, 56.2286, 49.6360

Deuteranopia

57.2482, 56.0833, 57.0981



Tritanopia

47.5124, 56.7546, 80.4021

Trichromacy



Original Color

42.5234, 56.9713, 55.2097



Protanomaly

48.4215, 56.0647, 51.4495



Deuteranomaly

50.3331, 55.5475, 56.2130



Tritanomaly

45.3687, 56.6100, 70.1637

Monochromacy



Original Color

42.5234, 56.9713, 55.2097



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.8722, 51.7359, 54.6347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5234, 56.9713, 55.2097 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(131, 215, 186)` looks like.

```
.text, #text, p{  
    color:rgb(131, 215, 186)  
}
```

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(131, 215, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 215, 186) }
```

Border

The CSS property to change the border of an element to XYZ 42.5234, 56.9713, 55.2097 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(131, 215, 186) }
```


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

```
.border{ border-color:rgb(131, 215, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 215, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 215, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 215, 186);  
box-shadow:4px 4px 4px 4px rgb(131, 215,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5234, 56.9713, 55.2097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 215, 186) }
```

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

```
.background{ background-color: rgb(131,  
215, 186) }
```

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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