

Converting Colors

XYZ(42.4873, 52.4734, 64.4100)

Have a look what the booklet for
XYZ(42.4873, 52.4734, 64.4100)
contains.

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Color

**XYZ(42.4520, 52.3420,
64.3655)**

Conversions

Conversions Part 1

Format	Color
Hex	89CBCB
RGB	137, 203, 203
RGB Percent	54%, 80%, 80%
CMY	0.4627, 0.2039, 0.2039
CMYK	0.33, 0.00, 0.00, 0.20
HSL	180°, 39%, 67%
HSV	180°, 33%, 80%
XYZ	42.4520, 52.3420, 64.3655
YIQ	183.2660, -39.3360, -13.9920

Conversions

Conversions Part 2

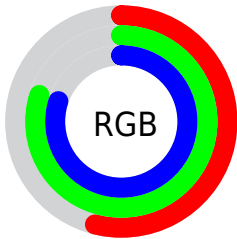
Format	Color
RYB	137, 170, 203
Decimal	9030603
CIELab	77.48, -20.75, -6.67
CIElCh	77, 21.799, 197.822
Yxy	52.3420, 0.2667, 0.3289
Android (android.graphics.Color)	4287220683 (0xFF89CBCB)
YUV	183.2660, 9.7289, -40.5753
Hunter-Lab	72.3478, -21.8689, -2.1050

Details

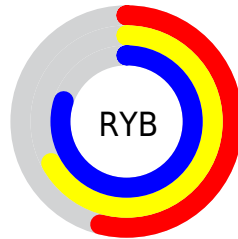
The XYZ color **42.4520, 52.3420, 64.3655** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.0915, 32.3956, 27.9143**, and the grayscale version is **45.1207, 47.4705, 51.6954**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **19.7395, 25.5038, 32.3161** is the 20% darker color. If you saturate the color by 10%, you get **39.4327, 50.7868, 64.2249**, and if you desaturate by 10%, it is **46.1005, 54.2242, 64.5378**.

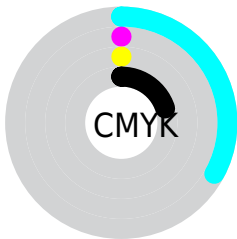
Distribution



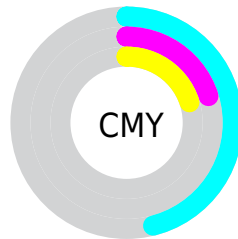
- Red (54%)
- Green (80%)
- Blue (80%)



- Red (54%)
- Yellow (67%)
- Blue (80%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (46%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4520, 52.3420, 64.3655 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 42.4520, 52.3420, 64.3655 by changing the saturation by 10% instead.

■ 42.4520, 52.3420,
64.3655

■ 42.4520, 52.3420,
64.3655

347.3131,
395.7555, 458.7520

■ 29.6480, 37.2777,
46.4987

■ 78.1441, 93.6354,
112.7417

■ 19.7183, 25.4226,
32.2880

■ 101.7630,
120.6334, 144.0881

■ 12.2975, 16.3922,
21.3150

■ 129.7176,
152.3780, 180.7649

■ 7.0203, 9.8021,
13.1609

162.3732,
189.2538, 223.1905

■ 3.5212, 5.2679,
7.4074

200.0952,
231.6450, 271.7834

■ 1.4350, 2.4053,
3.6359

243.2489,

■ 0.2810, 0.8286,

279.9361, 326.9623

1.4278

292.1998,
334.5115, 389.1456

■ 0.0000, 0.0000,
0.1633

■ 0.0000, 0.0000,
0.0000

■ 42.4520, 52.3420,
64.3655

■ 42.4520, 52.3420,
64.3655

■ 39.4327, 50.7868,
64.2249

■ 46.1005, 54.2242,
64.5378

■ 37.0026, 49.5341,
64.1108

■ 50.4060, 56.4437,
64.7397

■ 35.1248, 48.5660,
64.0225

■ 55.4002, 59.0183,
64.9738

■ 33.7560, 47.8604,
63.9580

■ 61.1115, 61.9626,
65.2415

■ 32.8463, 47.3914,
63.9151

■ 67.5666, 65.2903,
65.5440

■ 32.3363, 47.1285,
63.8908

■ 73.3769, 68.2856,
65.8163

■ 32.1359, 47.0252,
63.8811

■ 73.3770, 68.2857,
65.8168

■ 73.3771, 68.2857,
65.8172

■ 73.3772, 68.2857,
65.8176

Harmonies

Analogous

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



42.2672, 52.3420, 52.2513



42.4520, 52.3420, 64.3655



44.5228, 52.3420, 75.9021

Triad

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



42.4520, 52.3420, 64.3655



55.9759, 52.3420, 73.9701



51.4723, 52.3420, 37.2450

Complementary

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



42.4520, 52.3420, 64.3655



38.0915, 32.3956, 27.9143

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.



55.3700, 52.3420, 41.5158



42.4520, 52.3420, 64.3655



58.0665, 52.3420, 62.0101

Square

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



42.4520, 52.3420, 64.3655



52.2617, 52.3420, 81.9613



57.8387, 52.3420, 50.2034



47.3191, 52.3420, 37.6905

Rectangle

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



42.4520, 52.3420, 64.3655



46.7634, 52.3420, 81.1977



57.8387, 52.3420, 50.2034



52.8600, 52.3420, 38.1487

Sweetspot

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



42.4535, 52.3441, 64.3667



86.2828, 95.4803, 108.4890



36.3707, 49.9319, 31.3891



18.2251, 20.3115, 23.2097



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.



42.4535, 52.3441, 64.3667



67.4329, 85.7629, 107.6048



35.6795, 38.7956, 62.1099



11.5433, 12.7271, 14.4185



20.4503, 29.9254, 40.6520



1.0550, 1.5438, 2.0972

Inverse Universe

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



38.0915, 32.3956, 27.9143



59.0161, 47.2714, 37.2683



43.3152, 42.8433, 29.6548



11.2124, 11.2137, 11.6530



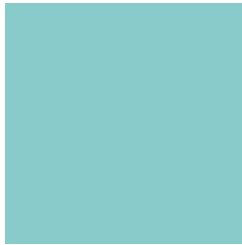
15.6736, 8.0800, 0.7337



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 42.4520, 52.3420, 64.3655 looks on a white background.

Color Contrast Check

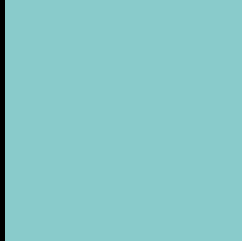
Large Text (above 18pt) WCAG AA × Fail

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 42.4520, 52.3420, 64.3655 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 42.4520, 52.3420, 64.3655

Background



This preview shows how black text looks on a background with the XYZ color 42.4520, 52.3420, 64.3655.

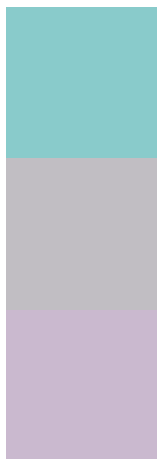


This preview shows how white text looks on a background with the XYZ color 42.4520, 52.3420,

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

42.4520, 52.3420, 64.3655

Protanopia

50.2561, 52.1045, 59.0382

Deuteranopia

52.9686, 51.7595, 66.2303



Tritanopia

44.2262, 52.3585, 73.4209

Trichromacy



Original Color

42.4520, 52.3420, 64.3655

Protanomaly

46.9417, 51.9917, 60.9874

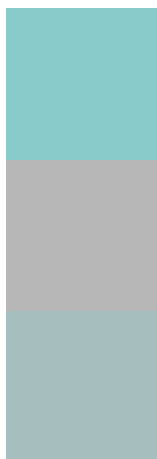
Deuteranomaly

48.3503, 51.6205, 65.8079

Tritanomaly

43.6517, 52.4835, 70.1170

Monochromacy



Original Color

42.4520, 52.3420, 64.3655

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.4336, 48.6516, 55.8167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4520, 52.3420, 64.3655 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(137, 203, 203)` looks like.

```
.text, #text, p{  
    color:rgb(137, 203, 203)  
}
```

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(137, 203, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 203, 203) }
```

Border

The CSS property to change the border of an element to XYZ 42.4520, 52.3420, 64.3655 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(137, 203, 203) }
```


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

```
.border{ border-color:rgb(137, 203, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 203, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 203, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 203, 203);  
box-shadow:4px 4px 4px 4px rgb(137, 203,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4520, 52.3420, 64.3655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 203, 203) }
```

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

```
.background{ background-color: rgb(137,  
203, 203) }
```

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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