

Converting Colors

XYZ(42.7008, 52.2900, 60.7759)

Have a look what the booklet for
XYZ(42.7008, 52.2900, 60.7759)
contains.

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Color

**XYZ(42.7002, 52.2016,
60.6487)**

Conversions

Conversions Part 1

Format	Color
Hex	90CAC5
RGB	144, 202, 197
RGB Percent	56%, 79%, 77%
CMY	0.4353, 0.2078, 0.2274
CMYK	0.29, 0.00, 0.02, 0.21
HSL	175°, 35%, 68%
HSV	175°, 29%, 79%
XYZ	42.7002, 52.2016, 60.6487
YIQ	184.0880, -32.9630, -13.8510

Conversions

Conversions Part 2

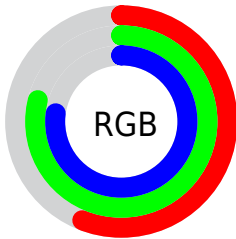
Format	Color
RYB	144, 174, 202
Decimal	9489093
CIELab	77.40, -19.65, -3.52
CIELCh	77, 19.962, 190.159
Yxy	52.2016, 0.2745, 0.3356
Android (android.graphics.Color)	4287679173 (0xFF90CAC5)
YUV	184.0880, 6.3656, -35.1572
Hunter-Lab	72.2507, -20.9451, 0.8062

Details

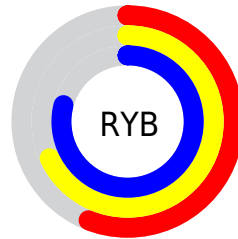
The XYZ color **42.7002, 52.2016, 60.6487** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.7571, 34.6745, 33.0333**, and the grayscale version is **45.5888, 47.9630, 52.2317**.

A 20% lighter version of the original color is **77.2026, 90.8179, 107.2265**, and **19.8622, 25.3871, 29.8400** is the 20% darker color. If you saturate the color by 10%, you get **39.2847, 50.4651, 59.4538**, and if you desaturate by 10%, it is **46.7523, 54.2687, 61.8877**.

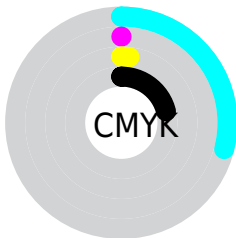
Distribution



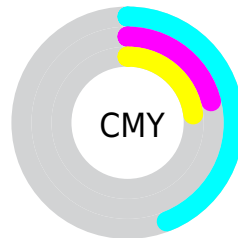
- Red (56%)
- Green (79%)
- Blue (77%)



- Red (56%)
- Yellow (68%)
- Blue (79%)



- Cyan (29%)
- Magenta (0%)
- Yellow (2%)
- Black (21%)



- Cyan (44%)
- Magenta (21%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7002, 52.2016, 60.6487 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 42.7002, 52.2016, 60.6487 by changing the saturation by 10% instead.

■ 42.7002, 52.2016,
60.6487

■ 42.7002, 52.2016,
60.6487

348.3198,
395.2144, 444.8556

■ 29.8435, 37.1658,
43.5130

■ 78.5168, 93.4285,
107.3227

■ 19.8673, 25.3359,
29.9535

■ 102.2074,
120.3884, 137.6981

■ 12.4063, 16.3275,
19.5515

130.2399,
152.0917, 173.3237

■ 7.0952, 9.7562,
11.8886

162.9798,
188.9229, 214.6182

■ 3.5686, 5.2376,
6.5463

200.7924,
231.2664, 262.0002

■ 1.4611, 2.3873,
3.1059

244.0430,

■ 0.2991, 0.8194,

279.5066, 315.8880

1.1490

293.0970,
334.0278, 376.7003

■ 0.0000, 0.0000,
0.0000

■ 42.7002, 52.2016,
60.6487

■ 42.7002, 52.2016,
60.6487

■ 39.2847, 50.4651,
59.4538

■ 46.7523, 54.2687,
61.8877

■ 36.4677, 49.0356,
58.2977

■ 51.4676, 56.6760,
63.1687

■ 34.2137, 47.8960,
57.1800

■ 56.8768, 59.4408,
64.4944

■ 32.4820, 47.0254,
56.0986

■ 63.0073, 62.5772,
65.8659

■ 31.2262, 46.3999,
55.0514

■ 69.8849, 66.0985,
67.2846

■ 30.3916, 45.9912,
54.0358

■ 73.6796, 68.0302,
68.5713

■ 29.8905, 45.7543,
53.0476

■ 73.8945, 68.1161,
69.7027

■ 29.8343, 45.7280,
52.9216

■ 74.1117, 68.2030,
70.8465

■ 74.3313, 68.2908,
72.0029

Harmonies

Analogous

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



42.9926, 52.2016, 49.9621



42.7002, 52.2016, 60.6487



44.1866, 52.2016, 71.5886

Triad

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



42.7002, 52.2016, 60.6487



54.5295, 52.2016, 74.5714



52.1635, 52.2016, 39.1848

Complementary

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



42.7002, 52.2016, 60.6487



39.7571, 34.6745, 33.0333

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.



55.4730, 52.2016, 44.2681



42.7002, 52.2016, 60.6487



56.8871, 52.2016, 64.3190

Square

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



42.7002, 52.2016, 60.6487



50.9292, 52.2016, 80.2859



57.2410, 52.2016, 53.1916



48.3257, 52.2016, 38.4686

Rectangle

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



42.7002, 52.2016, 60.6487



46.0334, 52.2016, 77.2148



57.2410, 52.2016, 53.1916



53.3799, 52.2016, 40.4052

Sweetspot

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



42.7017, 52.2037, 60.6499



86.7879, 95.7773, 106.8584



38.6971, 50.7219, 34.1374



18.3101, 20.3644, 22.8027



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.



42.7017, 52.2037, 60.6499



68.8416, 86.6255, 101.5109



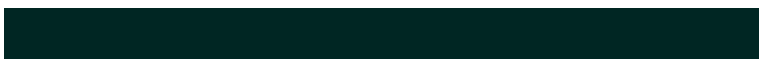
38.2439, 42.3554, 62.0393



11.4999, 12.7097, 14.1899



19.2137, 29.4308, 34.1401



1.0038, 1.5233, 1.8274

Inverse Universe

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



39.7571, 34.6745, 33.0333



63.1126, 52.5020, 47.7666



43.2484, 42.2827, 32.2685



11.2510, 11.2291, 11.8562



15.7548, 8.1125, 1.1616



0.8267, 0.4241, 0.1330

Previews

White Background



This preview shows how the XYZ color 42.7002, 52.2016, 60.6487 looks on a white background.

Color Contrast Check

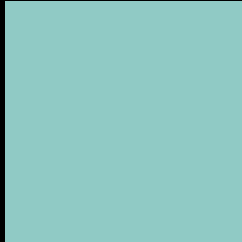
Large Text (above 18pt) WCAG AA × Fail

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 42.7002, 52.2016, 60.6487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

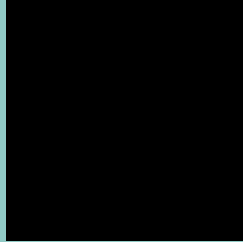
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7002, 52.2016, 60.6487

Background



This preview shows how black text looks on a background with the XYZ color 42.7002, 52.2016, 60.6487.



This preview shows how white text looks on a background with the XYZ color 42.7002, 52.2016,

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

42.7002, 52.2016, 60.6487

Protanopia

49.9559, 52.0140, 56.1219

Deuteranopia

52.7934, 51.7523, 62.4650



Tritanopia

44.9019, 52.0490, 71.9699

Trichromacy



Original Color

42.7002, 52.2016, 60.6487

Protanomaly

46.8219, 51.6639, 57.9564

Deuteranomaly

48.3475, 51.3768, 62.0121

Tritanomaly

44.0721, 52.0657, 67.4013

Monochromacy



Original Color

42.7002, 52.2016, 60.6487

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.1783, 49.3707, 55.3452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7002, 52.2016, 60.6487 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(144, 202, 197)` looks like.

```
.text, #text, p{  
    color:rgb(144, 202, 197)  
}
```

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(144, 202, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 202, 197) }
```

Border

The CSS property to change the border of an element to XYZ 42.7002, 52.2016, 60.6487 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(144, 202, 197) }
```


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

```
.border{ border-color:rgb(144, 202, 197) }
```

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

Here you see how a box with a 4 pixel rgb(144, 202, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 202, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 202, 197);  
box-shadow:4px 4px 4px 4px rgb(144, 202,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7002, 52.2016, 60.6487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 202, 197) }
```

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

```
.background{ background-color: rgb(144,  
202, 197) }
```

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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