Converting Colors

XYZ(42.5703, 52.1052, 76.2092)

Have a look what the booklet for XYZ(42.5703, 52.1052, 76.2092) contains.

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Color

XYZ(42.5755, 52.1433, 76.2273)

Conversions

Conversions Part 1

Format	Color
Hex	7BCBDD
RGB	123, 203, 221
RGB Percent	48%, 80%, 87%
CMY	0.5176, 0.2039, 0.1333
CMYK	0.44, 0.08, 0.00, 0.13
HSL	191°, 59%, 67%
HSV	191°, 44%, 87%
XYZ	42.5755, 52.1433, 76.2273
YIQ	181.1320, -53.4580, -11.3620

Conversions

Conversions Part 2

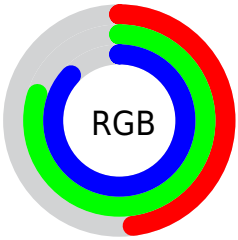
Format	Color
RYB	123, 167, 221
Decimal	8113117
CIELab	77.37, -19.87, -16.61
CIELCh	77, 25.900, 219.893
Yxy	52.1433, 0.2491, 0.3050
Android (android.graphics.Color)	4286303197 (0xFF7BCBDD)
YUV	181.1320, 19.6549, -50.9818
Hunter-Lab	72.2103, -21.1237, -12.0410

Details

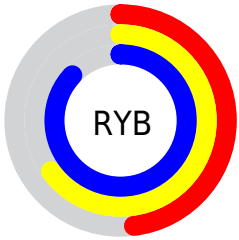
The XYZ color 42.5755, 52.1433, 76.2273 is a light color, and the websafe version is hex 99CCCC. A complement of this color would be 42.9199, 35.8530, 23.3986, and the grayscale version is 43.9115, 46.1984, 50.3100.

A 20% lighter version of the original color is 72.6324, 88.4433, 107.8509, and 19.8104, 25.3719, 39.9295 is the 20% darker color. If you saturate the color by 10%, you get 38.8181, 48.8031, 75.7815, and if you desaturate by 10%, it is 47.0748, 55.9056, 76.7173.

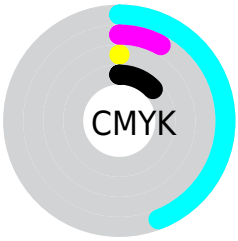
Distribution



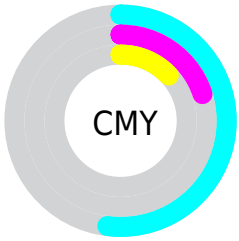
- Red (48%)
- Green (80%)
- Blue (87%)



- Red (48%)
- Yellow (65%)
- Blue (87%)



- Cyan (44%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)



- Cyan (52%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5755, 52.1433, 76.2273 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 42.5755, 52.1433, 76.2273 by changing the saturation by 10% instead.

42.5755, 52.1433, 76.2273

42.5755, 52.1433, 76.2273

347.8143, 394.9896, 501.4930

29.7453, 37.1193, 56.1111

78.3296, 93.3425, 129.8112

19.7924, 25.2999, 39.8874

101.9842, 120.2866, 164.1160

12.3516, 16.3006, 27.1377

129.9776, 151.9728, 203.9874

7.0575, 9.7371, 17.4433

162.6751, 188.7855, 249.8440

3.5448, 5.2250, 10.3858

200.4422, 231.1091, 302.1044

1.4480, 2.3799, 5.5465

243.6442,

0.2900, 0.8155,

279.3281, 361.1869

292.6464, 333.8268, 427.5103

2.5071

0.0000, 0.0000, 0.8439

0.0000, 0.0000, 0.0000

42.5755, 52.1433, 76.2273

42.5755, 52.1433, 76.2273

38.8181, 48.8031, 75.7815

47.0748, 55.9056, 76.7173

35.7490, 45.8534, 75.3739

52.3554, 60.1071, 77.2499

33.3149, 43.2678, 75.0032

58.4597, 64.7710, 77.8284

31.4522, 41.0132, 74.6662

65.4254, 69.9171, 78.4546

30.0836, 39.0494, 74.3592

29.4560, 38.0299, 74.1955

73.2881, 75.5640, 79.1301

81.8581, 81.6140, 79.8462

82.9837, 83.8652, 80.2214

84.1357, 86.1692, 80.6054

85.3142, 88.5262, 80.9983

Harmonies

Analogous

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

40.7191, 52.1433, 61.6148

42.5755, 52.1433, 76.2273

46.3433, 52.1433, 86.5935

Triad

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

42.5755, 52.1433, 76.2273

59.1003, 52.1433, 66.7270

47.9348, 52.1433, 33.8311

Complementary

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

42.5755, 52.1433, 76.2273

42.9199, 35.8530, 23.3986

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.

52.9235, 52.1433, 34.7332

42.5755, 52.1433, 76.2273

59.5976, 52.1433, 52.1959

Square

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

42.5755, 52.1433, 76.2273

55.9545, 52.1433, 80.5037

57.2708, 52.1433, 40.9505

43.6734, 52.1433, 38.2379

Rectangle

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

42.5755, 52.1433, 76.2273

49.5427, 52.1433, 88.8255

57.2708, 52.1433, 40.9505

49.5785, 52.1433, 33.5434

Sweetspot

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

42.5771, 52.1453, 76.2285

81.9767, 90.4227, 107.7404

38.8314, 57.8471, 34.3069

17.1157, 19.0309, 23.0212

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.

42.5771, 52.1453, 76.2285

54.1215, 67.8954, 104.8604

32.7821, 32.5552, 72.9635

13.2310, 14.4017, 16.7346

17.1883, 22.2461, 43.1264

1.1675, 1.5490, 2.8119

Inverse Universe

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

47.6826, 33.8514, 60.5229

62.2465, 40.3801, 79.5079

51.8014, 53.6160, 26.3591

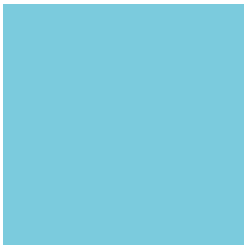
13.5064, 13.2317, 15.9282

22.1712, 10.8695, 26.3453

1.4636, 0.7151, 1.8501

Previews

White Background

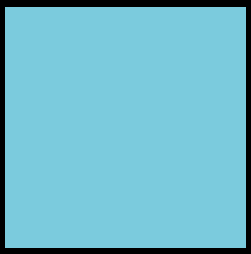


This preview shows how the XYZ color 42.5755, 52.1433, 76.2273 looks on a white background.

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



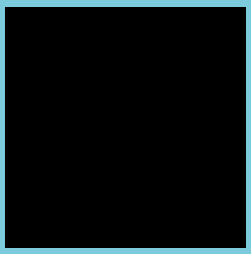
This preview shows how the XYZ color 42.5755, 52.1433, 76.2273 looks on a black background.

Color Contrast Check

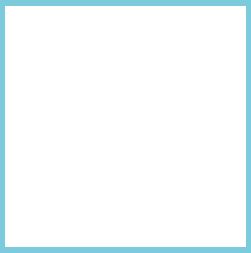
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 42.5755, 52.1433, 76.2273 Background



This preview shows how black text looks on a background with the XYZ color 42.5755, 52.1433, 76.2273.



This preview shows how white text looks on a background with the XYZ color 42.5755, 52.1433,

76.2273.

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

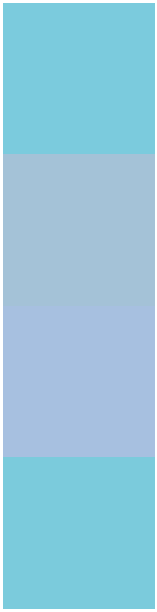
Original Color
42.5755, 52.1433, 76.2273

Protanopia
50.5748, 51.7135, 69.6035

Deuteranopia
52.8877, 51.7605, 78.4375

Tritanopia
42.4426, 52.0901, 75.5276

Trichromacy



Original Color
42.5755, 52.1433, 76.2273

Protanomaly
46.8674, 51.3824, 71.7376

Deuteranomaly
48.2405, 51.2966, 77.8797

Tritanomaly
42.4426, 52.0901, 75.5276

Monochromacy

Original Color
42.5755, 52.1433, 76.2273

Achromatopsia
43.9204, 46.2077, 50.3202

Achromatomaly
42.6586, 47.8543, 59.2130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5755, 52.1433, 76.2273 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(123, 203, 221) looks like.

```
.text, #text, p{
    color:rgb(123, 203, 221)
}
```

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(123, 203, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 203, 221) }
```

Border

The CSS property to change the border of an element to XYZ 42.5755, 52.1433, 76.2273 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(123, 203, 221) }
```

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

```
.border{ border-color:rgb(123, 203, 221) }
```

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

Here you see how a box with a 4 pixel rgb(123, 203, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 203, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 203, 221); box-shadow:4px 4px 4px 4px rgb(123, 203, 221) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5755, 52.1433, 76.2273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(123, 203, 221) }
```

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

```
.background{ background-color:rgb(123,
203, 221) }
```

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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