

Converting Colors

XYZ(35.7239, 42.8330, 62.4422)

Have a look what the booklet for
XYZ(35.7239, 42.8330, 62.4422)
contains.

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Color

**XYZ(35.7554, 42.9553,
62.2838)**

Conversions

Conversions Part 1

Format	Color
Hex	78B9CA
RGB	120, 185, 202
RGB Percent	47%, 73%, 79%
CMY	0.5294, 0.2745, 0.2078
CMYK	0.41, 0.08, 0.00, 0.21
HSL	192°, 44%, 63%
HSV	192°, 41%, 79%
XYZ	35.7554, 42.9553, 62.2838
YIQ	167.5030, -44.1970, -8.4930

Conversions

Conversions Part 2

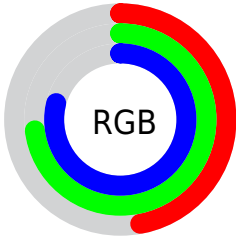
Format	Color
R_{YB}	120, 156, 202
Decimal	7911882
CIE _{Lab}	71.52, -16.32, -15.12
CIE _{LCh}	72, 22.246, 222.813
Yxy	42.9553, 0.2536, 0.3047
Android (android.graphics.Color)	4286101962 (0xFF78B9CA)
YUV	167.5030, 17.0070, -41.6601
Hunter-Lab	65.5403, -17.3151, -10.4659

Details

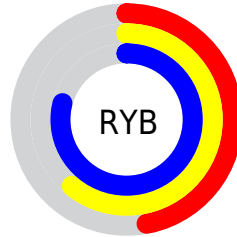
The XYZ color **35.7554, 42.9553, 62.2838** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.6937, 31.8047, 21.9755**, and the grayscale version is **36.9121, 38.8344, 42.2907**.

A 20% lighter version of the original color is **67.4098, 79.3607, 106.3730**, and **15.7765, 19.7645, 31.0004** is the 20% darker color. If you saturate the color by 10%, you get **32.3811, 39.9354, 61.8795**, and if you desaturate by 10%, it is **39.7491, 46.3348, 62.7264**.

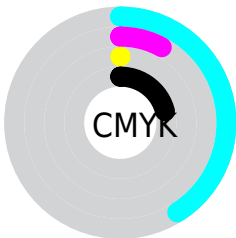
Distribution



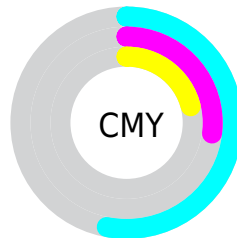
- Red (47%)
- Green (73%)
- Blue (79%)



- Red (47%)
- Yellow (61%)
- Blue (79%)



- Cyan (41%)
- Magenta (8%)
- Yellow (0%)
- Black (21%)



- Cyan (53%)
- Magenta (27%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7554, 42.9553, 62.2838 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 35.7554, 42.9553, 62.2838 by changing the saturation by 10% instead.

■ 35.7554, 42.9553,
62.2838

■ 35.7554, 42.9553,
62.2838

319.3401,
358.4279, 451.0017

■ 24.4146, 29.8500,
44.8248

■ 67.9807, 79.6434,
109.7112

■ 15.7678, 19.7248,
30.9775

■ 89.5959, 103.9950,
140.5166

■ 9.4498, 12.1952,
20.3234

■ 115.3666,
132.8643, 176.6079

■ 5.0952, 6.8767,
12.4439

145.6582,
166.6355, 218.4037

■ 2.3385, 3.3851,
6.9206

180.8359,
205.6930, 266.3224

■ 0.8143, 1.3359,
3.3348

221.2653,

■ 0.0000, 0.1688,

250.4214, 320.7826

1.2680

267.3115,
301.2049, 382.2029

■ 0.0000, 0.0000,
0.0354

■ 0.0000, 0.0000,
0.0000

■ 35.7554, 42.9553,
62.2838

■ 35.7554, 42.9553,
62.2838

■ 32.3811, 39.9354,
61.8795

■ 39.7491, 46.3348,
62.7264

■ 29.5845, 37.2503,
61.5086

■ 44.3926, 50.0870,
63.2059

■ 27.3250, 34.8797,
61.1701

■ 49.7191, 54.2302,
63.7249

■ 25.5547, 32.7986,
60.8617

■ 55.7583, 58.7800,
64.2848

■ 24.2167, 30.9774,
60.5807

■ 62.5379, 63.7512,
64.8870

■ 23.2536, 29.4499,
60.3367

■ 70.0845, 69.1575,
65.5327

■ 76.0273, 73.7773,
66.1112

■ 77.1028, 75.9283,
66.4697

■ 78.2058, 78.1343,
66.8374

Harmonies

Analogous

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



34.1823, 42.9553, 51.5099



35.7554, 42.9553, 62.2838



38.7305, 42.9553, 69.4456

Triad

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



35.7554, 42.9553, 62.2838



48.1237, 42.9553, 53.1532



39.2468, 42.9553, 29.3619

Complementary

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



35.7554, 42.9553, 62.2838



36.6937, 31.8047, 21.9755

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.



42.9993, 42.9553, 29.6625



35.7554, 42.9553, 62.2838



48.2830, 42.9553, 42.3321

Square

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



35.7554, 42.9553, 62.2838



45.9355, 42.9553, 63.6447



46.3584, 42.9553, 34.0749



36.1134, 42.9553, 33.1791

Rectangle

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



35.7554, 42.9553, 62.2838



41.1832, 42.9553, 70.6218



46.3584, 42.9553, 34.0749



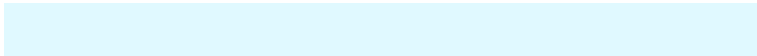
40.4743, 42.9553, 29.0040

Sweetspot

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



35.7567, 42.9570, 62.2848



82.6843, 90.6706, 107.7510



33.3397, 48.0240, 30.9555



17.4330, 19.2031, 23.0377



0.0000, 0.0000, 0.0000



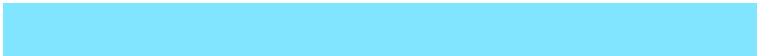
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.7567, 42.9570, 62.2848



55.3101, 68.0627, 104.8300



28.4719, 28.3874, 59.8565



11.3382, 12.3167, 14.3502



15.0288, 19.0817, 38.8473



0.8263, 1.0864, 2.0211

Inverse Universe

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



39.8317, 29.4935, 49.4942



63.3858, 42.9012, 79.1405



43.5495, 45.5162, 24.2607



11.5840, 11.3624, 13.6102



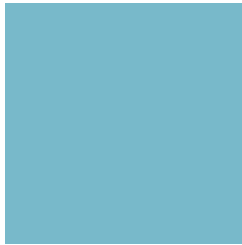
19.7968, 9.7293, 22.4462



1.0470, 0.5122, 1.2936

Previews

White Background



This preview shows how the XYZ color 35.7554, 42.9553, 62.2838 looks on a white background.

Color Contrast Check

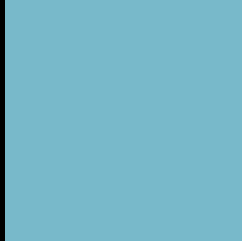
Large Text (above 18pt) WCAG AA × Fail

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 35.7554, 42.9553, 62.2838 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

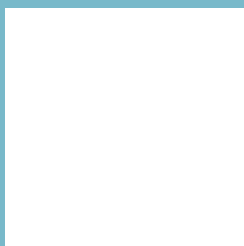
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7554, 42.9553, 62.2838

Background



This preview shows how black text looks on a background with the XYZ color 35.7554, 42.9553, 62.2838.



This preview shows how white text looks on a background with the XYZ color 35.7554, 42.9553,

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

35.7554, 42.9553, 62.2838

Protanopia

41.6944, 42.5528, 57.0549

Deuteranopia

43.5256, 42.5043, 63.6677



Tritanopia

35.5200, 42.8611, 61.0445

Trichromacy



Original Color

35.7554, 42.9553, 62.2838

Protanomaly

38.9371, 42.2478, 58.9258

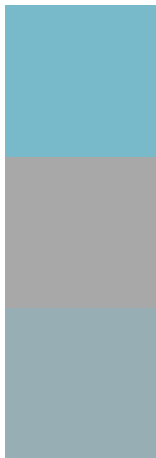
Deuteranomaly

39.9394, 42.0875, 63.1454

Tritanomaly

35.6373, 42.9080, 61.6621

Monochromacy



Original Color

35.7554, 42.9553, 62.2838

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.1368, 40.1467, 49.0245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7554, 42.9553, 62.2838 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(120, 185, 202)` looks like.

```
.text, #text, p{  
    color:rgb(120, 185, 202)  
}
```

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(120, 185, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 185, 202) }
```

Border

The CSS property to change the border of an element to XYZ 35.7554, 42.9553, 62.2838 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(120, 185, 202) }
```


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

```
.border{ border-color:rgb(120, 185, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 185, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 185, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 185, 202);  
box-shadow:4px 4px 4px 4px rgb(120, 185,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7554, 42.9553, 62.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 185, 202) }
```

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

```
.background{ background-color: rgb(120,  
185, 202) }
```

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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