

Converting Colors

XYZ(42.2151, 57.2298, 83.0018)

Have a look what the booklet for
XYZ(42.2151, 57.2298, 83.0018)
contains.

XYZ(42.2748, 57.3777, 82.9756)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.2748, 57.3777,
82.9756)**

Conversions

Conversions Part 1

Format	Color
Hex	4DDAE5
RGB	77, 218, 229
RGB Percent	30%, 85%, 90%
CMY	0.6980, 0.1451, 0.1020
CMYK	0.66, 0.05, 0.00, 0.10
HSL	184°, 75%, 60%
HSV	184°, 66%, 90%
XYZ	42.2748, 57.3777, 82.9756
YIQ	177.0950, -87.5670, -26.4710

Conversions

Conversions Part 2

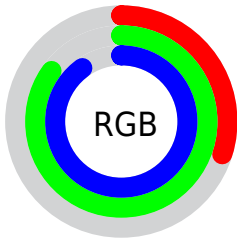
Format	Color
RYB	77, 150, 229
Decimal	5102309
CIELab	80.39, -33.81, -16.49
CIELCh	80, 37.620, 205.995
Yxy	57.3777, 0.2315, 0.3142
Android (android.graphics.Color)	4283292389 (0xFF4DDAE5)
YUV	177.0950, 25.5892, -87.7833
Hunter-Lab	75.7481, -32.9387, -11.9235

Details

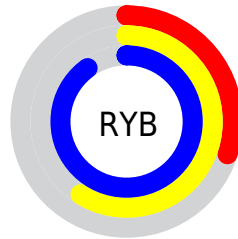
The XYZ color **42.2748, 57.3777, 82.9756** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **37.1437, 24.1748, 9.7313**, and the grayscale version is **41.7446, 43.9186, 47.8274**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **20.7372, 29.2504, 44.5973** is the 20% darker color. If you saturate the color by 10%, you get **40.3149, 55.7338, 82.7627**, and if you desaturate by 10%, it is **44.8926, 59.3696, 83.2232**.

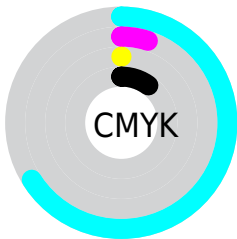
Distribution



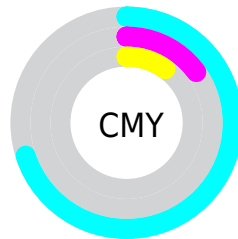
- Red (30%)
- Green (85%)
- Blue (90%)



- Red (30%)
- Yellow (59%)
- Blue (90%)



- Cyan (66%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)



- Cyan (70%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2748, 57.3777, 82.9756 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 42.2748, 57.3777, 82.9756 by changing the saturation by 10% instead.

42.2748, 57.3777,
82.9756

42.2748, 57.3777,
82.9756

346.5931,
414.8631, 524.8741

29.5086, 41.3086,
61.6295

77.8779, 101.0161,
139.3902

19.6121, 28.5603,
44.2996

101.4455,
129.3541, 175.2958

12.2200, 18.7484,
30.5672

129.3443,
162.5506, 216.8917

6.9670, 11.4886,
20.0138

161.9396,
200.9899, 264.5964

3.4876, 6.3965,
12.2209

199.5967,
245.0564, 318.8285

1.4166, 3.0877,
6.7699

242.6812,

0.2680, 1.1777,

295.1345, 380.0064

3.2424

291.5582,
351.6086, 448.5487

■ 0.0000, 0.0433,
1.2197

■ 0.0000, 0.0000,
0.0000

■ 42.2748, 57.3777,
82.9756

■ 42.2748, 57.3777,
82.9756

■ 40.3149, 55.7338,
82.7627

■ 44.8926, 59.3696,
83.2232

■ 38.9358, 54.3945,
82.5768

■ 48.2245, 61.7347,
83.5041

■ 38.0494, 53.3155,
82.4153

■ 52.3263, 64.5033,
83.8223

■ 37.7944, 52.9599,
82.3601

■ 57.2472, 67.7005,
84.1800

63.0322, 71.3495,
84.5795

69.7228, 75.4719,
85.0225

77.3580, 80.0878,
85.5111

84.0317, 84.2145,
85.9558

84.4984, 85.1479,
86.1114

Harmonies

Analogous

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



41.0526, 57.3777, 59.5581



42.2748, 57.3777, 82.9756



46.6633, 57.3777, 104.6581

Triad

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



42.2748, 57.3777, 82.9756



67.7613, 57.3777, 89.3325



55.5770, 57.3777, 28.9896

Complementary

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



42.2748, 57.3777, 82.9756



37.1437, 24.1748, 9.7313

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.



63.2473, 57.3777, 33.4909



42.2748, 57.3777, 82.9756



70.6886, 57.3777, 65.4847

Square

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



42.2748, 57.3777, 82.9756



61.2897, 57.3777, 108.8935



68.9641, 57.3777, 45.6633



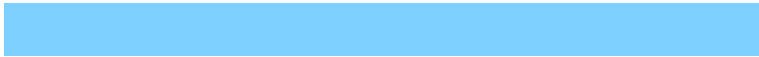
48.2972, 57.3777, 31.5733

Rectangle

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



42.2748, 57.3777, 82.9756



51.0287, 57.3777, 113.3428



68.9641, 57.3777, 45.6633



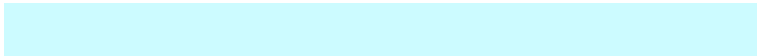
58.2000, 57.3777, 29.6890

Sweetspot

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



42.2766, 57.3798, 82.9770



77.5458, 89.2453, 107.7467



32.8071, 58.3080, 18.5727



16.1524, 18.8210, 23.0314



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.



42.2766, 57.3798, 82.9770



50.6456, 70.3845, 105.5240



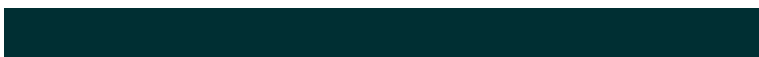
27.0076, 26.8420, 77.8873



14.7135, 16.1484, 18.4858



21.6469, 30.3558, 47.1015



1.6265, 2.2969, 3.4896

Inverse Universe

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



47.6234, 27.0294, 69.0390



58.1875, 29.9331, 85.3349



46.7751, 43.4376, 12.9418



14.9477, 14.5963, 17.9252



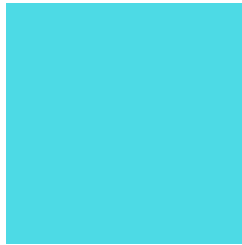
25.3198, 12.2622, 36.9088



1.8846, 0.9116, 2.7988

Previews

White Background



This preview shows how the XYZ color 42.2748, 57.3777, 82.9756 looks on a white background.

Color Contrast Check

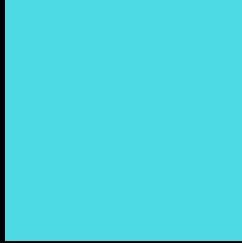
Large Text (above 18pt) WCAG AA × Fail

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 42.2748, 57.3777, 82.9756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

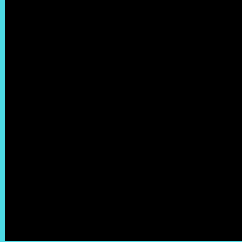
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2748, 57.3777, 82.9756

Background



This preview shows how black text looks on a background with the XYZ color 42.2748, 57.3777, 82.9756.



This preview shows how white text looks on a background with the XYZ color 42.2748, 57.3777,

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

42.2748, 57.3777, 82.9756

Protanopia

54.9969, 56.5746, 72.3113

Deuteranopia

57.4744, 56.2226, 85.6647



Tritanopia

43.1165, 57.3293, 87.3905

Trichromacy



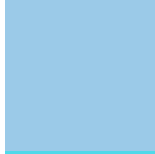
Original Color

42.2748, 57.3777, 82.9756



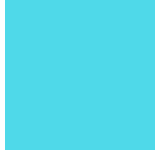
Protanomaly

47.8865, 55.6023, 75.9186



Deuteranomaly

49.2036, 55.0358, 84.3736



Tritanomaly

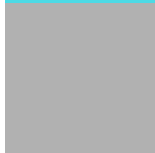
42.7453, 57.1712, 85.8730

Monochromacy



Original Color

42.2748, 57.3777, 82.9756



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.7979, 47.3475, 59.2660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2748, 57.3777, 82.9756 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(77, 218, 229)` looks like.

```
.text, #text, p{  
    color:rgb(77, 218, 229)  
}
```

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(77, 218, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 218, 229) }
```

Border

The CSS property to change the border of an element to XYZ 42.2748, 57.3777, 82.9756 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(77, 218, 229) }
```


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

```
.border{ border-color:rgb(77, 218, 229) }
```

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

Here you see how a box with a 4 pixel rgb(77, 218, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 218, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 218, 229);  
box-shadow:4px 4px 4px 4px rgb(77, 218,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2748, 57.3777, 82.9756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 218, 229) }
```

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

```
.background{ background-color: rgb(77, 218,  
229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor