

Converting Colors

XYZ(42.8167, 57.4602, 74.4799)

Have a look what the booklet for
XYZ(42.8167, 57.4602, 74.4799)
contains.

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Color

**XYZ(42.8167, 57.4602,
74.4799)**

Conversions

Conversions Part 1

Format	Color
Hex	66D9D9
RGB	102, 217, 217
RGB Percent	40%, 85%, 85%
CMY	0.6000, 0.1490, 0.1490
CMYK	0.53, 0.00, 0.00, 0.15
HSL	180°, 60%, 63%
HSV	180°, 53%, 85%
XYZ	42.8167, 57.4602, 74.4799
YIQ	182.6150, -68.5400, -24.3800

Conversions

Conversions Part 2

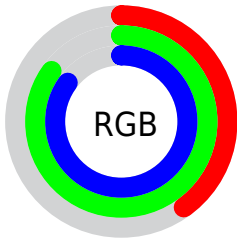
Format	Color
RYB	102, 160, 217
Decimal	6740441
CIELab	80.44, -32.39, -9.95
CIELCh	80, 33.883, 197.075
Yxy	57.4602, 0.2450, 0.3288
Android (android.graphics.Color)	4284930521 (0xFF66D9D9)
YUV	182.6150, 16.9518, -70.6994
Hunter-Lab	75.8025, -31.8295, -5.1938

Details

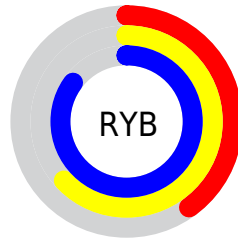
The XYZ color **42.8167, 57.4602, 74.4799** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.7668, 25.2155, 15.5542**, and the grayscale version is **44.7376, 47.0674, 51.2564**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **19.9773, 28.7253, 38.6740** is the 20% darker color. If you saturate the color by 10%, you get **40.6724, 56.3561, 74.3806**, and if you desaturate by 10%, it is **45.6081, 58.9005, 74.6121**.

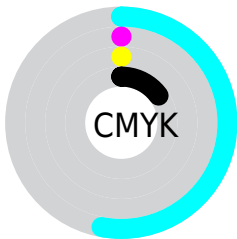
Distribution



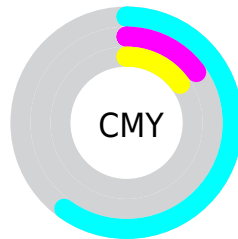
- Red (40%)
- Green (85%)
- Blue (85%)



- Red (40%)
- Yellow (63%)
- Blue (85%)



- Cyan (53%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)



- Cyan (60%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8167, 57.4602, 74.4799 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 42.8167, 57.4602, 74.4799 by changing the saturation by 10% instead.

42.8167, 57.4602,
74.4799

42.8167, 57.4602,
74.4799

348.7917,
415.1715, 495.3357

29.9352, 41.3748,
54.6877

78.6916, 101.1364,
127.3162

19.9373, 28.6121,
38.7549

102.4158,
129.4960, 161.1974

12.4574, 18.7876,
26.2627

130.4848,
162.7158, 200.6120

7.1304, 11.5169,
16.7928

163.2642,
201.1801, 245.9786

3.5909, 6.4156,
9.9265

201.1192,
245.2735, 297.7158

1.4734, 3.0994,
5.2453

244.4153,

0.3076, 1.1839,

295.3803, 356.2420

2.3306

293.5176,
351.8848, 421.9757

■ 0.0000, 0.0485,
0.7483

■ 0.0000, 0.0000,
0.0000

■ 42.8167, 57.4602,
74.4799

■ 42.8167, 57.4602,
74.4799

■ 40.6724, 56.3561,
74.3806

■ 45.6081, 58.9005,
74.6121

■ 39.1185, 55.5550,
74.3076

■ 49.0872, 60.6941,
74.7751

■ 38.0977, 55.0288,
74.2596

■ 53.2973, 62.8645,
74.9724

■ 37.5385, 54.7405,
74.2332

■ 58.2769, 65.4315,
75.2057

■ 37.3381, 54.6372,
74.2236

■ 64.0615, 68.4136,
75.4767

■ 70.6847, 71.8280,
75.7869

■ 78.1780, 75.6909,
76.1378

■ 78.5787, 75.8975,
76.1568

■ 78.5788, 75.8975,
76.1570

Harmonies

Analogous

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



42.6043, 57.4602, 54.3930



42.8167, 57.4602, 74.4799



46.0144, 57.4602, 94.9579

Triad

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



42.8167, 57.4602, 74.4799



64.9886, 57.4602, 92.3953



57.6563, 57.4602, 32.1996

Complementary

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



42.8167, 57.4602, 74.4799



35.7668, 25.2155, 15.5542

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.



64.2239, 57.4602, 38.5289



42.8167, 57.4602, 74.4799



68.6924, 57.4602, 71.5157

Square

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



42.8167, 57.4602, 74.4799



58.6300, 57.4602, 106.7110



68.4012, 57.4602, 51.9927



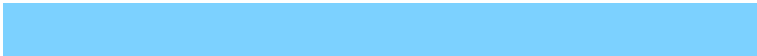
50.7860, 57.4602, 32.6621

Rectangle

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



42.8167, 57.4602, 74.4799



49.5754, 57.4602, 104.8162



68.4012, 57.4602, 51.9927



59.9834, 57.4602, 33.5355

Sweetspot

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



42.8184, 57.4624, 74.4813



81.5999, 93.0662, 108.2700



32.9121, 53.5253, 21.1685



17.1426, 19.7534, 23.1591



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.



42.8184, 57.4624, 74.4813



58.2032, 81.0048, 107.1733



30.8235, 33.4722, 70.4842



13.4449, 14.8296, 16.8059



22.6017, 33.0733, 44.9295



1.4643, 2.1426, 2.9108

Inverse Universe

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



35.7668, 25.2155, 15.5542



46.9730, 29.6489, 13.3271



43.1715, 40.0250, 18.0220



13.0561, 13.0515, 13.5567



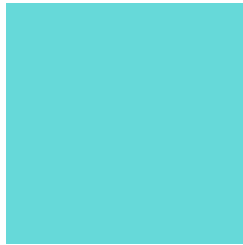
17.3222, 8.9299, 0.8107



1.1222, 0.5785, 0.0525

Previews

White Background



This preview shows how the XYZ color 42.8167, 57.4602, 74.4799 looks on a white background.

Color Contrast Check

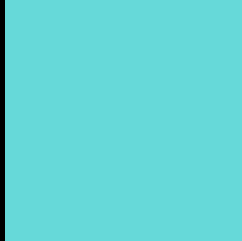
Large Text (above 18pt) WCAG AA × Fail

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 42.8167, 57.4602, 74.4799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

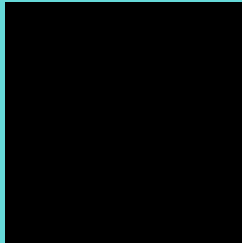
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

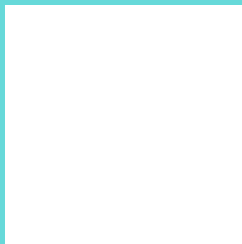
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8167, 57.4602, 74.4799

Background



This preview shows how black text looks on a background with the XYZ color 42.8167, 57.4602, 74.4799.



This preview shows how white text looks on a background with the XYZ color 42.8167, 57.4602,

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

42.8167, 57.4602, 74.4799

Protanopia

54.8051, 56.6196, 65.7978

Deuteranopia

57.7084, 56.5357, 76.9782



Tritanopia

45.0503, 57.6152, 85.0904

Trichromacy



Original Color

42.8167, 57.4602, 74.4799



Protanomaly

48.4113, 55.6817, 68.5177



Deuteranomaly

50.1872, 55.7332, 75.8226



Tritanomaly

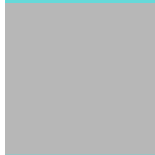
44.3649, 57.7220, 81.4762

Monochromacy



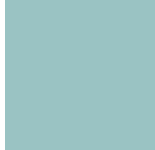
Original Color

42.8167, 57.4602, 74.4799



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.6919, 49.8404, 58.9998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8167, 57.4602, 74.4799 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(102, 217, 217)` looks like.

```
.text, #text, p{  
    color:rgb(102, 217, 217)  
}
```

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(102, 217, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 217, 217) }
```

Border

The CSS property to change the border of an element to XYZ 42.8167, 57.4602, 74.4799 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(102, 217, 217) }
```


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

```
.border{ border-color:rgb(102, 217, 217) }
```

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

Here you see how a box with a 4 pixel rgb(102, 217, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 217, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 217, 217);  
box-shadow:4px 4px 4px 4px rgb(102, 217,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8167, 57.4602, 74.4799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 217, 217) }
```

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

```
.background{ background-color: rgb(102,  
217, 217) }
```

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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