

Converting Colors

XYZ(42.8977, 57.7340, 64.0780)

Have a look what the booklet for
XYZ(42.8977, 57.7340, 64.0780)
contains.

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Color

**XYZ(42.9632, 57.7647,
64.1436)**

Conversions

Conversions Part 1

Format	Color
Hex	77D9C9
RGB	119, 217, 201
RGB Percent	47%, 85%, 79%
CMY	0.5333, 0.1490, 0.2118
CMYK	0.45, 0.00, 0.07, 0.15
HSL	170°, 56%, 66%
HSV	170°, 45%, 85%
XYZ	42.9632, 57.7647, 64.1436
YIQ	185.8740, -53.2720, -25.7520

Conversions

Conversions Part 2

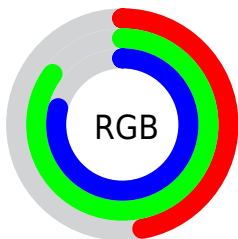
Format	Color
RYB	119, 172, 217
Decimal	7854537
CIELab	80.61, -32.69, -1.09
CIELCh	81, 32.704, 181.917
Yxy	57.7647, 0.2606, 0.3504
Android (android.graphics.Color)	4286044617 (0xFF77D9C9)
YUV	185.8740, 7.4571, -58.6485
Hunter-Lab	76.0031, -32.1025, 3.1638

Details

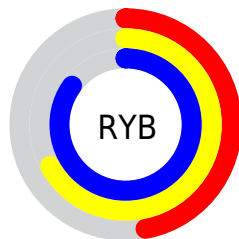
The XYZ color **42.9632, 57.7647, 64.1436** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.5872, 29.6962, 26.5693**, and the grayscale version is **46.5839, 49.0099, 53.3718**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **20.0503, 28.9079, 32.1268** is the 20% darker color. If you saturate the color by 10%, you get **39.9066, 56.2380, 61.8507**, and if you desaturate by 10%, it is **46.7126, 59.6503, 66.5217**.

Distribution



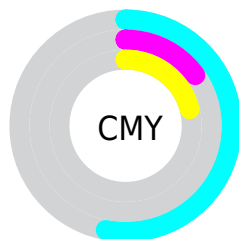
- Red (47%)
- Green (85%)
- Blue (79%)



- Red (47%)
- Yellow (67%)
- Blue (85%)



- Cyan (45%)
- Magenta (0%)
- Yellow (7%)
- Black (15%)



- Cyan (53%)
- Magenta (15%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9632, 57.7647, 64.1436 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 42.9632, 57.7647, 64.1436 by changing the saturation by 10% instead.

42.9632, 57.7647,
64.1436

42.9632, 57.7647,
64.1436

349.3845,
416.3086, 457.9297

30.0506, 41.6195,
46.3201

78.9114, 101.5801,
112.4192

20.0253, 28.8035,
32.1480

102.6777,
130.0192, 143.7083

12.5218, 18.9322,
21.2088

130.7927,
163.3249, 180.3230

7.1748, 11.6213,
13.0840

163.6216,
201.8818, 222.6819

3.6190, 6.4864,
7.3550

201.5299,
246.0742, 271.2035

1.4889, 3.1430,
3.6033

244.8829,

0.3183, 1.2068,

296.2866, 326.3063

1.4103

294.0460,
352.9032, 388.4088

■ 0.0000, 0.0673,
0.1498

■ 0.0000, 0.0000,
0.0000

■ 42.9632, 57.7647,
64.1436

■ 42.9632, 57.7647,
64.1436

■ 39.9066, 56.2380,
61.8507

■ 46.7126, 59.6503,
66.5217

■ 37.4909, 55.0392,
59.6364


■ 51.1924, 61.9099,
68.9832

■ 35.6648, 54.1432,
57.4992


■ 56.4433, 64.5659,
71.5317


■ 34.3670, 53.5185,
55.4359


■ 62.5016, 67.6369,
74.1691


 33.5222, 53.1262,
53.4427

 69.4012, 71.1405,
76.8974

 33.2129, 52.9873,
52.5002

 77.1741, 75.0932,
79.7184

 79.7546, 76.3680,
82.3486

 80.2455, 76.5643,
84.9334

 80.7464, 76.7647,
87.5714

Harmonies

Analogous

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



44.2632, 57.7647, 47.0183



42.9632, 57.7647, 64.1436



44.6392, 57.7647, 84.5863

Triad

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



42.9632, 57.7647, 64.1436



62.0307, 57.7647, 99.8742



61.2210, 57.7647, 35.5452

Complementary

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



42.9632, 57.7647, 64.1436



39.5872, 29.6962, 26.5693

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.



66.6320, 57.7647, 45.2720



42.9632, 57.7647, 64.1436



67.1257, 57.7647, 81.9975

Square

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



42.9632, 57.7647, 64.1436



55.3376, 57.7647, 107.6638



68.8737, 57.7647, 61.6646



54.4720, 57.7647, 32.6598

Rectangle

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



42.9632, 57.7647, 64.1436



47.3050, 57.7647, 96.7957



68.8737, 57.7647, 61.6646



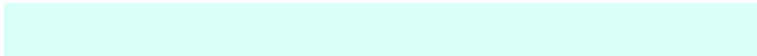
63.2752, 57.7647, 38.0096

Sweetspot

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



42.9649, 57.7670, 64.1449



82.1893, 93.4768, 103.4731



38.1898, 56.1386, 26.2769



17.2128, 19.8159, 21.9734



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.



42.9649, 57.7670, 64.1449



57.7753, 81.1782, 89.3521



37.3437, 43.3533, 72.0481



13.3488, 14.7911, 16.2996



20.1378, 32.0878, 31.9550



1.3295, 2.0888, 2.2013

Inverse Universe

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



39.5872, 29.6962, 26.5693



52.3541, 35.9397, 28.9055



43.1212, 38.4339, 22.5996



13.1423, 13.0860, 14.0108



17.5356, 9.0153, 1.9343



1.1633, 0.5949, 0.2687

Previews

White Background



This preview shows how the XYZ color 42.9632, 57.7647, 64.1436 looks on a white background.

Color Contrast Check

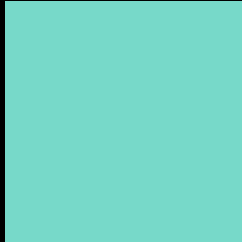
Large Text (above 18pt) WCAG AA × Fail

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 42.9632, 57.7647, 64.1436 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

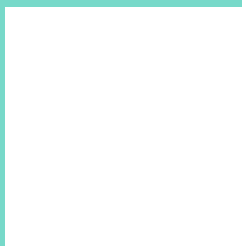
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9632, 57.7647, 64.1436

Background



This preview shows how black text looks on a background with the XYZ color 42.9632, 57.7647, 64.1436.

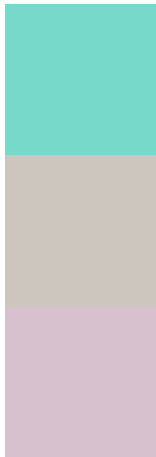


This preview shows how white text looks on a background with the XYZ color 42.9632, 57.7647,

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

42.9632, 57.7647, 64.1436

Protanopia

54.3902, 56.9432, 56.8397

Deuteranopia

58.2349, 57.0432, 66.3337



Tritanopia

46.8296, 57.8137, 83.5539

Trichromacy



Original Color

42.9632, 57.7647, 64.1436



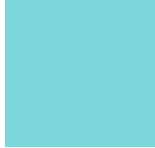
Protanomaly

48.8025, 56.4419, 59.3612



Deuteranomaly

50.8420, 56.3040, 65.3148



Tritanomaly

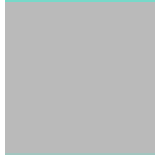
45.1449, 57.4927, 75.7356

Monochromacy



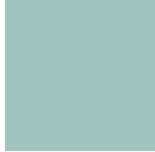
Original Color

42.9632, 57.7647, 64.1436



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.2705, 51.3755, 56.8734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9632, 57.7647, 64.1436 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(119, 217, 201)` looks like.

```
.text, #text, p{  
    color:rgb(119, 217, 201)  
}
```

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(119, 217, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 217, 201) }
```

Border

The CSS property to change the border of an element to XYZ 42.9632, 57.7647, 64.1436 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(119, 217, 201) }
```


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

```
.border{ border-color:rgb(119, 217, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 217, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 217, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 217, 201);  
box-shadow:4px 4px 4px 4px rgb(119, 217,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9632, 57.7647, 64.1436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 217, 201) }
```

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

```
.background{ background-color: rgb(119,  
217, 201) }
```

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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