

Converting Colors

XYZ(42.2814, 50.1015, 58.0937)

Have a look what the booklet for
XYZ(42.2814, 50.1015, 58.0937)
contains.

XYZ(42.1281, 49.9094, 57.8652)	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(42.1281, 49.9094,
57.8652)**

Conversions

Conversions Part 1

Format	Color
Hex	97C4C1
RGB	151, 196, 193
RGB Percent	59%, 77%, 76%
CMY	0.4078, 0.2314, 0.2431
CMYK	0.23, 0.00, 0.02, 0.23
HSL	176°, 28%, 68%
HSV	176°, 23%, 77%
XYZ	42.1281, 49.9094, 57.8652
YIQ	182.2030, -25.8570, -10.4730

Conversions

Conversions Part 2

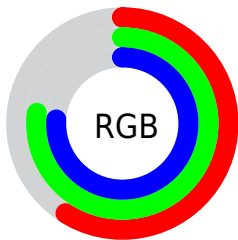
Format	Color
RYB	151, 174, 196
Decimal	9946305
CIELab	76.01, -15.39, -3.36
CIELCh	76, 15.747, 192.305
Yxy	49.9094, 0.2810, 0.3329
Android (android.graphics.Color)	4288136385 (0xFF97C4C1)
YUV	182.2030, 5.3229, -27.3650
Hunter-Lab	70.6466, -17.1881, 0.8894

Details

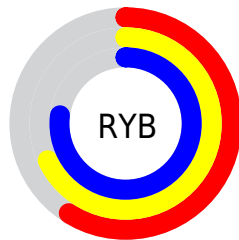
The XYZ color **42.1281, 49.9094, 57.8652** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.6661, 36.2035, 35.4713**, and the grayscale version is **44.5572, 46.8776, 51.0497**.

A 20% lighter version of the original color is **77.6778, 90.2119, 102.9411**, and **19.5522, 23.8921, 28.3921** is the 20% darker color. If you saturate the color by 10%, you get **38.6438, 48.1312, 56.9450**, and if you desaturate by 10%, it is **46.2214, 52.0039, 58.8228**.

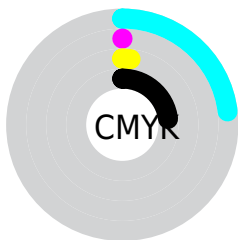
Distribution



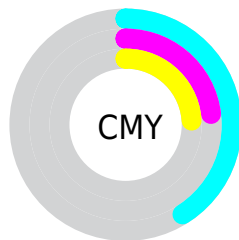
- Red (59%)
- Green (77%)
- Blue (76%)



- Red (59%)
- Yellow (68%)
- Blue (77%)



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)
- Black (23%)



- Cyan (41%)
- Magenta (23%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1281, 49.9094, 57.8652 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 42.1281, 49.9094, 57.8652 by changing the saturation by 10% instead.

■ 42.1281, 49.9094,
57.8652

■ 42.1281, 49.9094,
57.8652

345.9963,
386.3115, 434.2677

■ 29.3932, 35.3414,
41.2863

■ 77.6574, 90.0406,
103.2394

■ 19.5242, 23.9260,
28.2215

■ 101.1825,
116.3727, 132.8717

■ 12.1559, 15.2787,
18.2522

129.0350,
147.3948, 167.6923

■ 6.9229, 9.0152,
10.9599

161.5803,
183.4915, 208.1197

■ 3.4598, 4.7511,
5.9260

199.1837,
225.0471, 254.5724

■ 1.4013, 2.1020,
2.7321

242.2106,

■ 0.2572, 0.6657,

272.4461, 307.4689

0.9595

291.0263,
326.0728, 367.2278

■ 0.0000, 0.0000,
0.0000

■ 42.1281, 49.9094,
57.8652

■ 42.1281, 49.9094,
57.8652

■ 38.6438, 48.1312,
56.9450

■ 46.2214, 52.0039,
58.8228

■ 35.7342, 46.6479,
56.0573

■ 50.9470, 54.4230,
59.8157

■ 33.3684, 45.4448,
55.2018

■ 56.3326, 57.1822,
60.8462

■ 31.5107, 44.5035,
54.3767

■ 62.4028, 60.2941,
61.9155

■ 30.1213, 43.8034,
53.5802

■ 69.1809, 63.7708,
63.0248

■ 29.1542, 43.3209,
52.8102

■ 71.5055, 64.9514,
63.9325

■ 28.5546, 43.0276,
52.0639

■ 71.6599, 65.0132,
64.7454

■ 28.2804, 42.8974,
51.5494

■ 71.8155, 65.0755,
65.5653

■ 71.9726, 65.1383,
66.3921

Harmonies

Analogous

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



42.2553, 49.9094, 49.5712



42.1281, 49.9094, 57.8652



43.3800, 49.9094, 65.9790

Triad

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



42.1281, 49.9094, 57.8652



51.3432, 49.9094, 67.2111



49.1756, 49.9094, 40.3378

Complementary

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



42.1281, 49.9094, 57.8652



39.6661, 36.2035, 35.4713

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.



51.7402, 49.9094, 44.1622



42.1281, 49.9094, 57.8652



53.0268, 49.9094, 59.4113

Square

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



42.1281, 49.9094, 57.8652



48.6519, 49.9094, 71.7366



53.1750, 49.9094, 50.9664



46.2433, 49.9094, 40.0158

Rectangle

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



42.1281, 49.9094, 57.8652



44.8594, 49.9094, 69.9678



53.1750, 49.9094, 50.9664



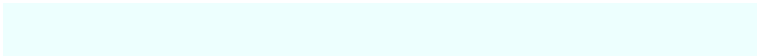
50.1123, 49.9094, 41.2366

Sweetspot

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



42.1295, 49.9114, 57.8663



88.5940, 96.6939, 107.6001



38.7970, 48.6601, 36.6267



18.8496, 20.6385, 23.0072



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.



42.1295, 49.9114, 57.8663



72.7239, 88.5780, 103.9013



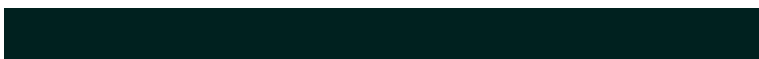
38.4994, 42.1097, 58.3257



10.3386, 11.4165, 12.7863



18.1833, 27.5674, 33.1881



0.7945, 1.1947, 1.4808

Inverse Universe

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



39.6661, 36.2035, 35.4713



67.4139, 59.0216, 55.6219



42.6805, 42.6277, 35.2577



10.0998, 10.0885, 10.6163



14.6863, 7.5643, 0.9941



0.6441, 0.3307, 0.0934

Previews

White Background



This preview shows how the XYZ color 42.1281, 49.9094, 57.8652 looks on a white background.

Color Contrast Check

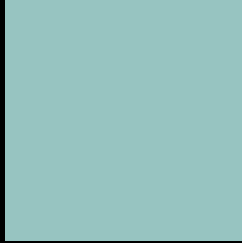
Large Text (above 18pt) WCAG AA × Fail

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 42.1281, 49.9094, 57.8652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

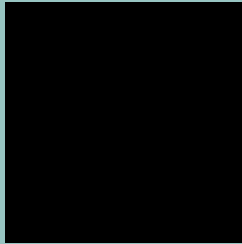
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1281, 49.9094, 57.8652

Background



This preview shows how black text looks on a background with the XYZ color 42.1281, 49.9094, 57.8652.

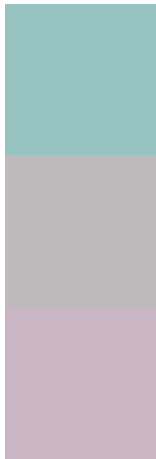


This preview shows how white text looks on a background with the XYZ color 42.1281, 49.9094,

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

42.1281, 49.9094, 57.8652

Protanopia

47.7638, 49.6528, 54.0802

Deuteranopia

50.5751, 49.4508, 59.1039



Tritanopia

44.1268, 50.0570, 67.6578

Trichromacy



Original Color

42.1281, 49.9094, 57.8652

Protanomaly

45.5033, 49.7311, 55.3449

Deuteranomaly

46.9377, 49.1252, 58.6380

Tritanomaly

43.4315, 50.1143, 63.8839

Monochromacy



Original Color

42.1281, 49.9094, 57.8652

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.4278, 47.7437, 53.3809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1281, 49.9094, 57.8652 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(151, 196, 193)` looks like.

```
.text, #text, p{  
    color:rgb(151, 196, 193)  
}
```

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(151, 196, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 196, 193) }
```

Border

The CSS property to change the border of an element to XYZ 42.1281, 49.9094, 57.8652 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(151, 196, 193) }
```


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

```
.border{ border-color:rgb(151, 196, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 196, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 196, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 196, 193);  
box-shadow:4px 4px 4px 4px rgb(151, 196,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1281, 49.9094, 57.8652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 196, 193) }
```

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

```
.background{ background-color: rgb(151,  
196, 193) }
```

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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