

Converting Colors

XYZ(37.0400, 41.9648, 48.9896)

Have a look what the booklet for
XYZ(37.0400, 41.9648, 48.9896)
contains.

XYZ(37.0193, 42.0742, 48.8178)	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(37.0193, 42.0742,
48.8178)**

Conversions

Conversions Part 1

Format	Color
Hex	97B3B3
RGB	151, 179, 179
RGB Percent	59%, 70%, 70%
CMY	0.4078, 0.2980, 0.2980
CMYK	0.16, 0.00, 0.00, 0.30
HSL	180°, 16%, 65%
HSV	180°, 16%, 70%
XYZ	37.0193, 42.0742, 48.8178
YIQ	170.6280, -16.6880, -5.9360

Conversions

Conversions Part 2

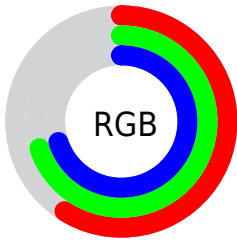
Format	Color
RYB	151, 165, 179
Decimal	9941939
CIELab	70.92, -9.52, -3.21
CIElCh	71, 10.044, 198.631
Yxy	42.0742, 0.2894, 0.3289
Android (android.graphics.Color)	4288132019 (0xFF97B3B3)
YUV	170.6280, 4.1274, -17.2138
Hunter-Lab	64.8646, -11.6402, 0.7830

Details

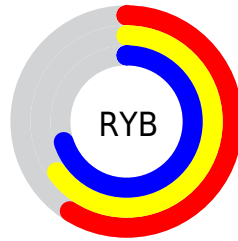
The XYZ color **37.0193, 42.0742, 48.8178** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.2445, 33.9525, 33.9760**, and the grayscale version is **38.5091, 40.5146, 44.1204**.

A 20% lighter version of the original color is **70.1573, 78.5366, 90.0587**, and **16.4823, 19.1374, 22.5638** is the 20% darker color. If you saturate the color by 10%, you get **33.9464, 40.4912, 48.6740**, and if you desaturate by 10%, it is **40.5991, 43.9207, 48.9871**.

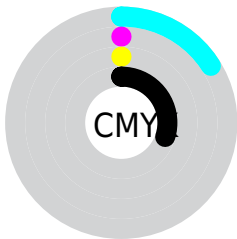
Distribution



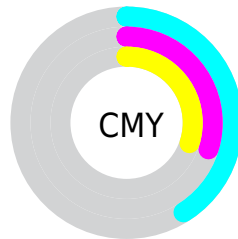
- Red (59%)
- Green (70%)
- Blue (70%)



- Red (59%)
- Yellow (65%)
- Blue (70%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)



- Cyan (41%)
- Magenta (30%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0193, 42.0742, 48.8178 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 37.0193, 42.0742, 48.8178 by changing the saturation by 10% instead.

■ 37.0193, 42.0742,
48.8178

■ 37.0193, 42.0742,
48.8178

324.7482,
354.7904, 398.6264

■ 25.3962, 29.1594,
34.1104

■ 69.9161, 78.3119,
89.7990

■ 16.5028, 19.2014,
22.7004

■ 91.9205, 102.4036,
116.9098

■ 9.9737, 11.8159,
14.1692

118.1160,
130.9897, 148.9922

■ 5.4437, 6.6185,
8.0983

148.8681,
164.4547, 186.4647

■ 2.5473, 3.2247,
4.0693

184.5419,
203.1828, 229.7458

■ 0.9192, 1.2501,
1.6634

225.5030,

■ 0.0000, 0.1021,

247.5585, 279.2541

0.3355

272.1166,
297.9663, 335.4081

■ 0.0000, 0.0000,
0.0000

■ 37.0193, 42.0742,
48.8178

■ 37.0193, 42.0742,
48.8178

■ 33.9464, 40.4912,
48.6740

■ 40.5991, 43.9207,
48.9871

■ 31.3540, 39.1548,
48.5518

■ 44.7033, 46.0365,
49.1801

■ 29.2190, 38.0542,
48.4510

■ 49.3532, 48.4336,
49.3986

■ 27.5148, 37.1757,
48.3703

■ 54.5677, 51.1218,
49.6435

■ 26.2122, 36.5042,
48.3085

■ 60.3650, 54.1104,
49.9157

■ 25.2782, 36.0227,
48.2639

■ 65.4987, 56.7569,
50.1568

■ 24.6748, 35.7117,
48.2348

■ 65.4989, 56.7569,
50.1577

■ 24.3539, 35.5462,
48.2189

■ 65.4990, 56.7570,
50.1586

■ 24.2562, 35.4959,
48.2139

■ 65.4992, 56.7571,
50.1595

Harmonies

Analogous

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



36.9192, 42.0742, 44.0197



37.0193, 42.0742, 48.8178



37.9020, 42.0742, 53.0779

Triad

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



37.0193, 42.0742, 48.8178



42.4529, 42.0742, 52.1730



40.6276, 42.0742, 37.3616

Complementary

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



37.0193, 42.0742, 48.8178



35.2445, 33.9525, 33.9760

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.



42.1538, 42.0742, 39.2408



37.0193, 42.0742, 48.8178



43.2270, 42.0742, 47.6515

Square

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



37.0193, 42.0742, 48.8178



41.0266, 42.0742, 55.1062



43.1161, 42.0742, 42.9315



38.9715, 42.0742, 37.6258

Rectangle

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



37.0193, 42.0742, 48.8178



38.8297, 42.0742, 54.9361



43.1161, 42.0742, 42.9315



41.1737, 42.0742, 37.7580

Sweetspot

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



37.0205, 42.0759, 48.8187



73.0940, 78.8559, 87.7486



34.5566, 41.1004, 35.3908



16.0879, 17.4158, 19.4357



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.0205, 42.0759, 48.8187



64.1720, 74.2565, 87.3288



34.4399, 36.9143, 47.9598



8.7427, 9.6316, 10.9044



17.1398, 25.0819, 34.0687



0.5393, 0.7892, 1.0720

Inverse Universe

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



35.2445, 33.9525, 33.9760



60.3430, 56.7431, 55.3290



37.5490, 38.5618, 34.7431



8.4964, 8.5053, 8.8466



13.1369, 6.7723, 0.6152



0.4134, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 37.0193, 42.0742, 48.8178 looks on a white background.

Color Contrast Check

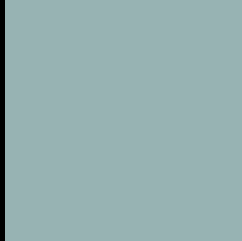
Large Text (above 18pt) WCAG AA × Fail

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 37.0193, 42.0742, 48.8178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

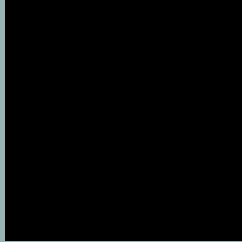
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0193, 42.0742, 48.8178

Background



This preview shows how black text looks on a background with the XYZ color 37.0193, 42.0742, 48.8178.

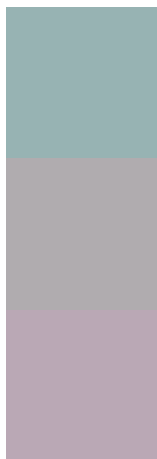


This preview shows how white text looks on a background with the XYZ color 37.0193, 42.0742,

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

37.0193, 42.0742, 48.8178

Protanopia

40.3949, 41.8303, 46.5025

Deuteranopia

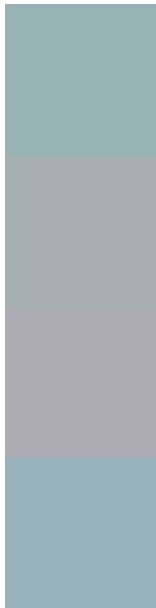
42.5928, 41.7806, 49.5356



Tritanopia

38.2630, 41.9782, 55.3761

Trichromacy



Original Color

37.0193, 42.0742, 48.8178

Protanomaly

39.1028, 42.0100, 47.1221

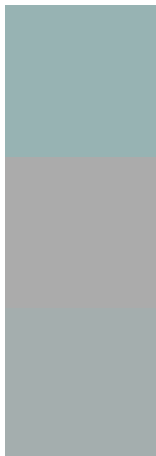
Deuteranomaly

40.2243, 41.6846, 49.1059

Tritanomaly

37.8389, 42.1040, 53.1463

Monochromacy



Original Color

37.0193, 42.0742, 48.8178

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.0859, 41.2206, 45.9934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0193, 42.0742, 48.8178 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, 179, 179)` looks like.

```
.text, #text, p{  
    color:rgb(151, 179, 179)  
}
```

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, 179, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 179, 179) }
```

Border

The CSS property to change the border of an element to XYZ 37.0193, 42.0742, 48.8178 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, 179, 179) }
```


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

```
.border{ border-color:rgb(151, 179, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 179, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 179, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 179, 179);  
box-shadow:4px 4px 4px 4px rgb(151, 179,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0193, 42.0742, 48.8178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 179, 179) }
```

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

```
.background{ background-color: rgb(151,  
179, 179) }
```

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