

Converting Colors

XYZ(46.9897, 49.9706, 62.3634)

Have a look what the booklet for
XYZ(46.9897, 49.9706, 62.3634)
contains.

XYZ(47.1003, 50.0772, 62.4418)	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(47.1003, 50.0772,
62.4418)**

Conversions

Conversions Part 1

Format	Color
Hex	B2BDC9
RGB	178, 189, 201
RGB Percent	70%, 74%, 79%
CMY	0.3020, 0.2588, 0.2118
CMYK	0.11, 0.06, 0.00, 0.21
HSL	211°, 18%, 74%
HSV	211°, 11%, 79%
XYZ	47.1003, 50.0772, 62.4418
YIQ	187.0790, -10.4080, 1.4000

Conversions

Conversions Part 2

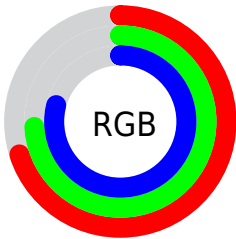
Format	Color
R_{YB}	178, 185, 201
Decimal	11713993
CIE _{Lab}	76.12, -1.39, -7.34
CIE _{LCh}	76, 7.471, 259.312
Yxy	50.0772, 0.2951, 0.3137
Android (android.graphics.Color)	4289904073 (0xFFB2BDC9)
YUV	187.0790, 6.8631, -7.9623
Hunter-Lab	70.7652, -5.0322, -2.7806

Details

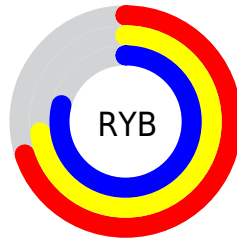
The XYZ color **47.1003, 50.0772, 62.4418** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.5370, 52.4585, 49.5823**, and the grayscale version is **47.2465, 49.7070, 54.1310**.

A 20% lighter version of the original color is **84.6341, 90.0172, 107.5221**, and **22.5281, 24.0749, 31.0633** is the 20% darker color. If you saturate the color by 10%, you get **40.6479, 43.5242, 61.5178**, and if you desaturate by 10%, it is **54.3944, 57.3089, 63.4540**.

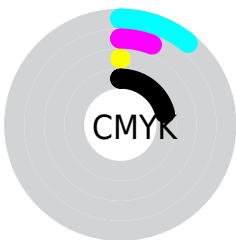
Distribution



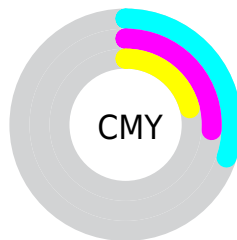
- Red (70%)
- Green (74%)
- Blue (79%)



- Red (70%)
- Yellow (73%)
- Blue (79%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (21%)



- Cyan (30%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1003, 50.0772, 62.4418 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 47.1003, 50.0772, 62.4418 by changing the saturation by 10% instead.

■ 47.1003, 50.0772,
62.4418

■ 47.1003, 50.0772,
62.4418

365.8570,
386.9678, 451.5929

■ 33.3232, 35.4747,
44.9517

■ 85.0811, 90.2892,
109.9416

■ 22.5346, 24.0288,
31.0767

110.0156,
116.6676, 140.7883

■ 14.3690, 15.3550,
20.3983

139.4000,
147.7401, 176.9244

■ 8.4612, 9.0689,
12.4980

173.5995,
183.8911, 218.7682

■ 4.4457, 4.7862,
6.9571

212.9797,
225.5049, 266.7385

■ 1.9573, 2.1223,
3.3573

257.9057,

■ 0.6098, 0.6771,

272.9661, 321.2537

1.2798

308.7430,
326.6589, 382.7323

■ 0.0000, 0.0000,
0.0452

■ 0.0000, 0.0000,
0.0000

■ 47.1003, 50.0772,
62.4418

■ 47.1003, 50.0772,
62.4418

■ 40.6479, 43.5242,
61.5178

■ 54.3944, 57.3089,
63.4540

■ 35.0002, 37.6216,
60.6762

■ 62.5567, 65.2339,
64.5535

■ 30.1237, 32.3483,
59.9153

■ 71.6179, 73.8739,
65.7436

■ 25.9807, 27.6794,
59.2325

■ 80.3427, 82.5970,
66.9675

■ 22.5301, 23.5882,
58.6247

■ 83.3648, 88.6412,
67.9748

■ 19.7262, 20.0451,
58.0886

■ 86.5657, 95.0429,
69.0418

■ 17.5172, 17.0174,
57.6206

■ 87.5428, 96.9971,
69.3675

■ 15.8420, 14.4671,
57.2166

■ 14.7397, 12.6111,
56.9165

Harmonies

Analogous

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



45.8666, 50.0772, 60.5709



47.1003, 50.0772, 62.4418



48.4910, 50.0772, 62.1146

Triad

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



47.1003, 50.0772, 62.4418



50.1778, 50.0772, 52.0202



45.5885, 50.0772, 49.6612

Complementary

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



47.1003, 50.0772, 62.4418



50.5370, 52.4585, 49.5823

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.



46.7138, 50.0772, 47.5813



47.1003, 50.0772, 62.4418



49.3701, 50.0772, 48.8965

Square

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



47.1003, 50.0772, 62.4418



50.2862, 50.0772, 55.9652



48.0969, 50.0772, 47.3084



45.0052, 50.0772, 53.1108

Rectangle

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



47.1003, 50.0772, 62.4418



49.3194, 50.0772, 60.6985



48.0969, 50.0772, 47.3084



45.9149, 50.0772, 48.7860

Sweetspot

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



47.1018, 50.0793, 62.4429



91.0315, 96.0582, 108.3510



48.5291, 54.9518, 56.6982



19.2596, 20.3389, 23.1607



0.0000, 0.0000, 0.0000



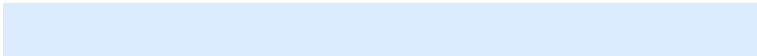
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1018, 50.0793, 62.4429



77.4582, 82.5355, 106.4562



44.9121, 45.5692, 61.6878



10.4683, 11.1106, 13.5103



9.3582, 8.1104, 35.8166



0.5155, 0.5289, 1.7201

Inverse Universe

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



49.1943, 47.9335, 54.8058



81.8452, 78.1578, 90.4174



52.9078, 57.3530, 50.4021



10.8416, 10.7200, 12.1493



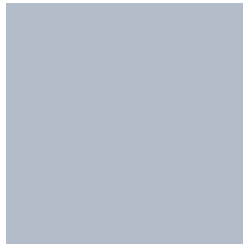
16.5229, 8.3587, 7.9636



0.8189, 0.4104, 0.5696

Previews

White Background



This preview shows how the XYZ color 47.1003, 50.0772, 62.4418 looks on a white background.

Color Contrast Check

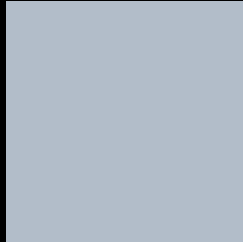
Large Text (above 18pt) WCAG AA × Fail

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 47.1003, 50.0772, 62.4418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

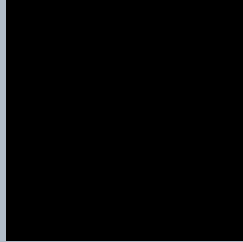
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

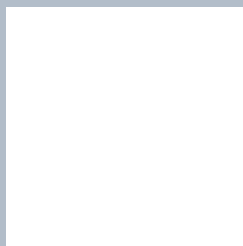
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1003, 50.0772, 62.4418

Background



This preview shows how black text looks on a background with the XYZ color 47.1003, 50.0772, 62.4418.



This preview shows how white text looks on a background with the XYZ color 47.1003, 50.0772,

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

47.1003, 50.0772, 62.4418

Protanopia

48.3612, 49.8061, 61.0975

Deuteranopia

50.9418, 49.8623, 62.8166



Tritanopia

47.4568, 50.2198, 64.3189

Trichromacy



Original Color

47.1003, 50.0772, 62.4418

Protanomaly

47.9628, 49.9011, 61.7476

Deuteranomaly

49.4955, 50.0386, 62.9268

Tritanomaly

47.3372, 50.1720, 63.6891

Monochromacy



Original Color

47.1003, 50.0772, 62.4418

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.2648, 49.9626, 57.0218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1003, 50.0772, 62.4418 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(178, 189, 201) looks like.

```
.text, #text, p{  
    color:rgb(178, 189, 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(178, 189, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 189, 201) }
```

Border

The CSS property to change the border of an element to XYZ 47.1003, 50.0772, 62.4418 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(178, 189, 201) }
```


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

```
.border{ border-color:rgb(178, 189, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 189, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 189, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 189, 201);  
box-shadow:4px 4px 4px 4px rgb(178, 189,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1003, 50.0772, 62.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 189, 201) }
```

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

```
.background{ background-color: rgb(178,  
189, 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](#).

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