

Converting Colors

XYZ(42.6677, 47.9320, 62.2624)

Have a look what the booklet for
XYZ(42.6677, 47.9320, 62.2624)
contains.

XYZ(42.6448, 47.7803, 62.2332)	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(42.6448, 47.7803,
62.2332)**

Conversions

Conversions Part 1

Format	Color
Hex	9DBDC9
RGB	157, 189, 201
RGB Percent	62%, 74%, 79%
CMY	0.3843, 0.2588, 0.2118
CMYK	0.22, 0.06, 0.00, 0.21
HSL	196°, 29%, 70%
HSV	196°, 22%, 79%
XYZ	42.6448, 47.7803, 62.2332
YIQ	180.8000, -22.9240, -3.0520

Conversions

Conversions Part 2

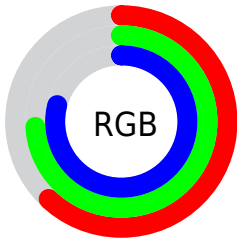
Format	Color
RYB	157, 176, 201
Decimal	10337737
CIELab	74.69, -8.11, -9.62
CIELCh	75, 12.585, 229.870
Yxy	47.7803, 0.2793, 0.3130
Android (android.graphics.Color)	4288527817 (0xFF9DBDC9)
YUV	180.8000, 9.9586, -20.8726
Hunter-Lab	69.1233, -10.8423, -4.9938

Details

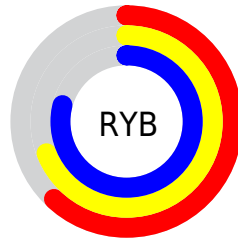
The XYZ color **42.6448, 47.7803, 62.2332** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.3616, 43.2278, 37.9050**, and the grayscale version is **43.7709, 46.0504, 50.1488**.

A 20% lighter version of the original color is **77.8538, 86.5219, 107.2048**, and **19.8963, 22.7182, 30.9402** is the 20% darker color. If you saturate the color by 10%, you get **37.8848, 43.6103, 61.6800**, and if you desaturate by 10%, it is **48.0973, 52.3759, 62.8336**.

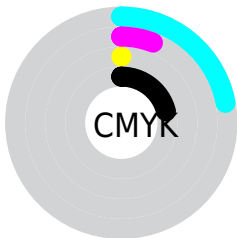
Distribution



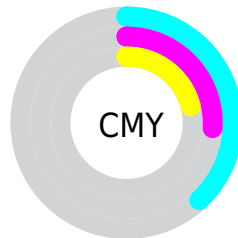
- Red (62%)
- Green (74%)
- Blue (79%)



- Red (62%)
- Yellow (69%)
- Blue (79%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)
- Black (21%)



- Cyan (38%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6448, 47.7803, 62.2332 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 42.6448, 47.7803, 62.2332 by changing the saturation by 10% instead.

■ 42.6448, 47.7803,
62.2332

■ 42.6448, 47.7803,
62.2332

348.0953,
377.9206, 450.8123

■ 29.7998, 33.6529,
44.7841

■ 78.4336, 86.8772,
109.6374

■ 19.8340, 22.6271,
30.9457

■ 102.1082,
112.6155, 140.4296

■ 12.3820, 14.3184,
20.2994

130.1234,
142.9930, 176.5065

■ 7.0784, 8.3425,
12.4266

162.8445,
178.3939, 218.2869

■ 3.5580, 4.3148,
6.9089

200.6368,
219.2028, 266.1891

■ 1.4552, 1.8512,
3.3276

243.8659,

■ 0.2951, 0.5188,

265.8039, 320.6317

1.2642

292.8969,
318.5817, 382.0333

■ 0.0000, 0.0000,
0.0322

■ 0.0000, 0.0000,
0.0000

■ 42.6448, 47.7803,
62.2332

■ 42.6448, 47.7803,
62.2332

■ 37.8848, 43.6103,
61.6800

■ 48.0973, 52.3759,
62.8336

■ 33.7811, 39.8429,
61.1691

■ 54.2680, 57.4073,
63.4796

■ 30.3004, 36.4614,
60.6998

■ 61.1862, 62.8916,
64.1735

■ 27.4048, 33.4454,
60.2703

■ 68.8785, 68.8433,
64.9169

■ 25.0518, 30.7723,
59.8784

■ 76.4432, 74.7980,
65.6676

■ 23.1929, 28.4164,
59.5216

■ 77.8744, 77.6604,
66.1446

■ 21.7701, 26.3469,
59.1971

■ 79.3530, 80.6175,
66.6375

■ 20.8515, 24.8345,
58.9536

■ 80.8792, 83.6701,
67.1462

■ 82.4537, 86.8190,
67.6711

Harmonies

Analogous

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



41.4120, 47.7803, 56.4125



42.6448, 47.7803, 62.2332



44.6466, 47.7803, 65.3973

Triad

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



42.6448, 47.7803, 62.2332



49.8702, 47.7803, 54.2655



43.9390, 47.7803, 41.0817

Complementary

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



42.6448, 47.7803, 62.2332



44.3616, 43.2278, 37.9050

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.



46.1896, 47.7803, 40.6118



42.6448, 47.7803, 62.2332



49.6653, 47.7803, 47.8704

Square

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



42.6448, 47.7803, 62.2332



48.8509, 47.7803, 60.5488



48.3000, 47.7803, 42.9983



42.1417, 47.7803, 44.3405

Rectangle

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



42.6448, 47.7803, 62.2332



46.1698, 47.7803, 65.4088



48.3000, 47.7803, 42.9983



44.6659, 47.7803, 40.6034

Sweetspot

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



42.6462, 47.7822, 62.2343



87.2520, 93.7041, 108.0958



41.9286, 51.7968, 45.1938



18.5380, 19.9442, 23.1225



0.0000, 0.0000, 0.0000



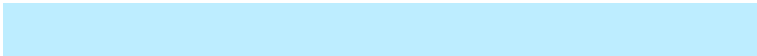
20.3446, 21.4041, 23.3091

Same Dimension

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



42.6462, 47.7822, 62.2343



69.2234, 78.5235, 106.1158



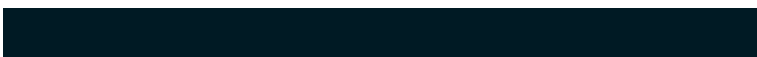
38.3158, 39.1214, 60.7908



10.6927, 11.5595, 13.5851



13.1899, 15.7738, 37.0938



0.6825, 0.8628, 1.7757

Inverse Universe

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



45.3308, 40.2066, 53.5177



74.6477, 63.6361, 88.4094



48.7467, 51.9981, 39.3667



10.9549, 10.7654, 12.7459



18.4570, 9.1324, 18.1482



0.9032, 0.4441, 1.0134

Previews

White Background



This preview shows how the XYZ color 42.6448, 47.7803, 62.2332 looks on a white background.

Color Contrast Check

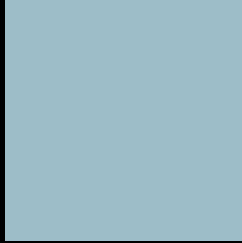
Large Text (above 18pt) WCAG AA × Fail

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 42.6448, 47.7803, 62.2332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

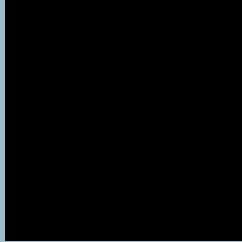
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

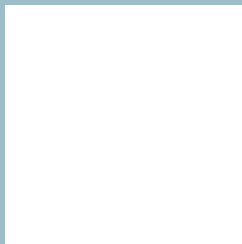
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6448, 47.7803, 62.2332

Background



This preview shows how black text looks on a background with the XYZ color 42.6448, 47.7803, 62.2332.

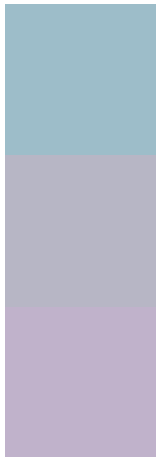


This preview shows how white text looks on a background with the XYZ color 42.6448, 47.7803,

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

42.6448, 47.7803, 62.2332

Protanopia

46.3344, 47.5544, 59.5602

Deuteranopia

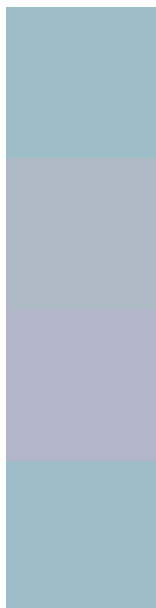
48.4381, 47.3591, 63.0882



Tritanopia

43.1972, 48.0239, 64.1195

Trichromacy



Original Color

42.6448, 47.7803, 62.2332

Protanomaly

44.9976, 47.7738, 60.2757

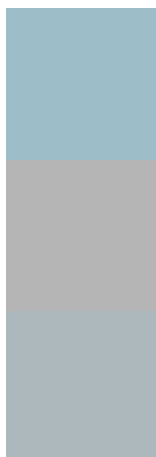
Deuteranomaly

45.9790, 47.3039, 62.5843

Tritanomaly

43.0776, 47.9761, 63.4898

Monochromacy



Original Color

42.6448, 47.7803, 62.2332

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.2308, 46.6825, 54.3091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6448, 47.7803, 62.2332 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(157, 189, 201)` looks like.

```
.text, #text, p{  
    color:rgb(157, 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(157, 189, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 189, 201) }
```

Border

The CSS property to change the border of an element to XYZ 42.6448, 47.7803, 62.2332 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(157, 189, 201) }
```


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

```
.border{ border-color:rgb(157, 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(157, 189, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 189, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 189, 201);  
box-shadow:4px 4px 4px 4px rgb(157, 189,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6448, 47.7803, 62.2332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 189, 201) }
```

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

```
.background{ background-color: rgb(157,  
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](#).

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