

Converting Colors

XYZ(42.6918, 48.3763, 63.7437)

Have a look what the booklet for
XYZ(42.6918, 48.3763, 63.7437)
contains.

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Color

**XYZ(42.7367, 48.4434,
63.5980)**

Conversions

Conversions Part 1

Format	Color
Hex	9ABFCB
RGB	154, 191, 203
RGB Percent	60%, 75%, 80%
CMY	0.3961, 0.2510, 0.2039
CMYK	0.24, 0.06, 0.00, 0.20
HSL	195°, 32%, 70%
HSV	195°, 24%, 80%
XYZ	42.7367, 48.4434, 63.5980
YIQ	181.3050, -25.9040, -4.1120

Conversions

Conversions Part 2

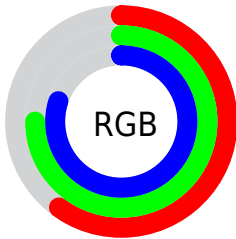
Format	Color
RYB	154, 175, 203
Decimal	10141643
CIELab	75.10, -9.64, -10.11
CIElCh	75, 13.965, 226.365
Yxy	48.4434, 0.2761, 0.3130
Android (android.graphics.Color)	4288331723 (0xFF9ABFCB)
YUV	181.3050, 10.6956, -23.9465
Hunter-Lab	69.6013, -12.1994, -5.4552

Details

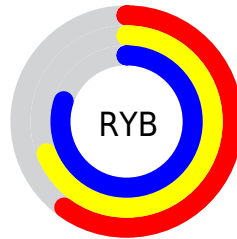
The XYZ color **42.7367, 48.4434, 63.5980** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.0981, 42.3023, 36.4138**, and the grayscale version is **44.0411, 46.3346, 50.4584**.

A 20% lighter version of the original color is **77.6053, 87.2968, 107.3675**, and **19.9928, 23.1717, 31.8526** is the 20% darker color. If you saturate the color by 10%, you get **38.1297, 44.4876, 63.0781**, and if you desaturate by 10%, it is **48.0368, 52.8136, 64.1630**.

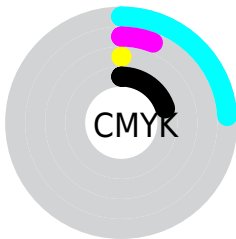
Distribution



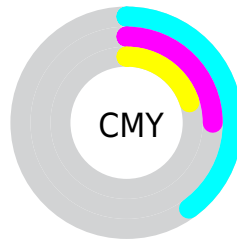
- Red (60%)
- Green (75%)
- Blue (80%)



- Red (60%)
- Yellow (69%)
- Blue (80%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)



- Cyan (40%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7367, 48.4434, 63.5980 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 42.7367, 48.4434, 63.5980 by changing the saturation by 10% instead.

■ 42.7367, 48.4434,
63.5980

■ 42.7367, 48.4434,
63.5980

348.4677,
380.5470, 455.9041

■ 29.8722, 34.1782,
45.8811

■ 78.5716, 87.8642,
111.6257

■ 19.8892, 23.0305,
31.8040

■ 102.2727,
113.7886, 142.7735

■ 12.4223, 14.6160,
20.9482

130.3167,
144.3681, 179.2353

■ 7.1062, 8.5504,
12.8953

163.0689,
179.9872, 221.4298

■ 3.5755, 4.4491,
7.2266

200.8948,
221.0302, 269.7753

■ 1.4649, 1.9278,
3.5236

244.1597,

■ 0.3018, 0.5650,

267.8816, 324.6905

1.3678

293.2288,
320.9257, 386.5939

■ 0.0000, 0.0000,
0.1164

■ 0.0000, 0.0000,
0.0000

■ 42.7367, 48.4434,
63.5980

■ 42.7367, 48.4434,
63.5980

■ 38.1297, 44.4876,
63.0781

■ 48.0368, 52.8136,
64.1630

■ 34.1782, 40.9225,
62.5982

■ 54.0566, 57.6087,
64.7713

■ 30.8476, 37.7311,
62.1578

■ 60.8264, 62.8461,
65.4254

■ 28.0982, 34.8924,
61.7547

■ 68.3736, 68.5405,
66.1267

■ 25.8855, 32.3827,
61.3869

■ 76.5388, 74.6101,
66.8679

■ 24.1580, 30.1750,
61.0519

■ 77.8305, 77.1935,
67.2985

■ 22.8536, 28.2368,
60.7465

■ 79.1610, 79.8546,
67.7420

■ 22.2194, 27.1913,
60.5781

■ 80.5307, 82.5940,
68.1986

■ 81.9399, 85.4124,
68.6683

Harmonies

Analogous

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



41.4897, 48.4434, 56.8107



42.7367, 48.4434, 63.5980



44.8957, 48.4434, 67.6340

Triad

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



42.7367, 48.4434, 63.5980



50.9848, 48.4434, 56.1331



44.6737, 48.4434, 40.3668

Complementary

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



42.7367, 48.4434, 63.5980



44.0981, 42.3023, 36.4138

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.



47.2117, 48.4434, 40.2218



42.7367, 48.4434, 63.5980



50.9200, 48.4434, 48.8812

Square

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



42.7367, 48.4434, 63.5980



49.6916, 48.4434, 63.0626



49.5177, 48.4434, 43.2056



42.5794, 48.4434, 43.6219

Rectangle

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



42.7367, 48.4434, 63.5980



46.5907, 48.4434, 68.0002



49.5177, 48.4434, 43.2056



45.5015, 48.4434, 39.9638

Sweetspot

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



42.7381, 48.4454, 63.5991



87.4067, 94.0134, 108.1473



41.5144, 52.3153, 43.7153



18.5739, 20.0160, 23.1345



0.0000, 0.0000, 0.0000



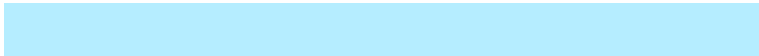
20.3446, 21.4041, 23.3091

Same Dimension

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



42.7381, 48.4454, 63.5991



67.3710, 77.5563, 106.0268



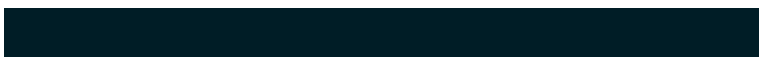
37.9378, 38.8447, 61.9990



11.3015, 12.2435, 14.3380



14.2146, 17.4532, 38.5759



0.7904, 1.0146, 2.0091

Inverse Universe

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



45.5893, 39.5704, 54.5274



73.0445, 60.4363, 87.8544



48.8613, 51.8286, 38.0015



11.5656, 11.3550, 13.5129



19.3858, 9.5649, 20.2820



1.0289, 0.5050, 1.1982

Previews

White Background



This preview shows how the XYZ color 42.7367, 48.4434, 63.5980 looks on a white background.

Color Contrast Check

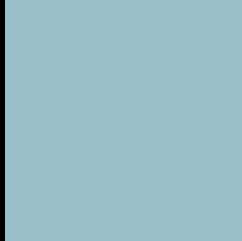
Large Text (above 18pt) WCAG AA × Fail

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 42.7367, 48.4434, 63.5980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

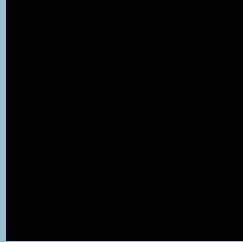
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7367, 48.4434, 63.5980

Background



This preview shows how black text looks on a background with the XYZ color 42.7367, 48.4434, 63.5980.



This preview shows how white text looks on a background with the XYZ color 42.7367, 48.4434,

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

42.7367, 48.4434, 63.5980

Protanopia

46.8937, 48.1345, 60.2454

Deuteranopia

49.3330, 48.3878, 64.4972



Tritanopia

43.2889, 48.6864, 65.5084

Trichromacy



Original Color

42.7367, 48.4434, 63.5980

Protanomaly

45.2178, 48.1722, 61.5585

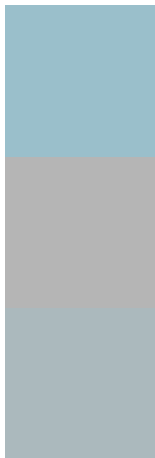
Deuteranomaly

46.6300, 48.2243, 63.9773

Tritanomaly

43.1678, 48.6379, 64.8705

Monochromacy



Original Color

42.7367, 48.4434, 63.5980

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.3289, 47.0300, 54.9381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7367, 48.4434, 63.5980 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(154, 191, 203)` looks like.

```
.text, #text, p{  
    color:rgb(154, 191, 203)  
}
```

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(154, 191, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 191, 203) }
```

Border

The CSS property to change the border of an element to XYZ 42.7367, 48.4434, 63.5980 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(154, 191, 203) }
```


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

```
.border{ border-color:rgb(154, 191, 203) }
```

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

Here you see how a box with a 4 pixel rgb(154, 191, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 191, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 191, 203);  
box-shadow:4px 4px 4px 4px rgb(154, 191,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7367, 48.4434, 63.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 191, 203) }
```

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

```
.background{ background-color: rgb(154,  
191, 203) }
```

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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