

Converting Colors

XYZ(42.1187, 48.6575, 67.5585)

Have a look what the booklet for
XYZ(42.1187, 48.6575, 67.5585)
contains.

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Color

**XYZ(42.0802, 48.6727,
67.4985)**

Conversions

Conversions Part 1

Format	Color
Hex	90C1D1
RGB	144, 193, 209
RGB Percent	56%, 76%, 82%
CMY	0.4353, 0.2431, 0.1804
CMYK	0.31, 0.08, 0.00, 0.18
HSL	195°, 41%, 69%
HSV	195°, 31%, 82%
XYZ	42.0802, 48.6727, 67.4985
YIQ	180.1730, -34.3400, -5.4120

Conversions

Conversions Part 2

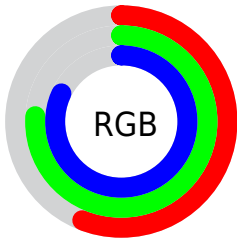
Format	Color
RYB	144, 172, 209
Decimal	9486801
CIELab	75.25, -12.23, -13.21
CIELCh	75, 18.000, 227.213
Yxy	48.6727, 0.2659, 0.3076
Android (android.graphics.Color)	4287676881 (0xFF90C1D1)
YUV	180.1730, 14.2117, -31.7237
Hunter-Lab	69.7658, -14.4255, -8.5271

Details

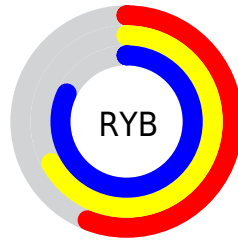
The XYZ color **42.0802, 48.6727, 67.4985** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.9000, 40.7110, 31.9310**, and the grayscale version is **43.4158, 45.6768, 49.7420**.

A 20% lighter version of the original color is **75.4789, 87.1135, 107.4442**, and **19.4634, 23.0559, 34.4348** is the 20% darker color. If you saturate the color by 10%, you get **37.6451, 44.7286, 66.9718**, and if you desaturate by 10%, it is **47.2335, 53.0482, 68.0723**.

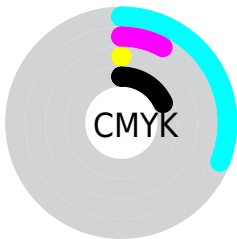
Distribution



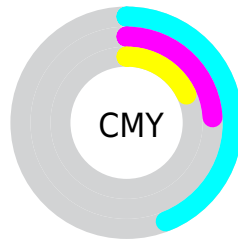
- Red (56%)
- Green (76%)
- Blue (82%)



- Red (56%)
- Yellow (67%)
- Blue (82%)



- Cyan (31%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)



- Cyan (44%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0802, 48.6727, 67.4985 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 42.0802, 48.6727, 67.4985 by changing the saturation by 10% instead.

■ 42.0802, 48.6727,
67.4985

■ 42.0802, 48.6727,
67.4985

345.8013,
381.4524, 470.2668

■ 29.3555, 34.3599,
49.0257

■ 77.5854, 88.2051,
117.2818

■ 19.4955, 23.1702,
34.2741

■ 101.0966,
114.1936, 149.4295

■ 12.1350, 14.7193,
22.8252

128.9340,
144.8427, 186.9725

■ 6.9085, 8.6226,
14.2604

161.4629,
180.5369, 230.3294

■ 3.4508, 4.4958,
8.1612

199.0487,
221.6606, 279.9187

■ 1.3964, 1.9546,
4.1090

242.0568,

■ 0.2537, 0.5809,

268.5981, 336.1591

1.6853

290.8526,
321.7339, 399.4689

■ 0.0000, 0.0000,
0.3507

■ 0.0000, 0.0000,
0.0000

■ 42.0802, 48.6727,
67.4985

■ 42.0802, 48.6727,
67.4985

■ 37.6451, 44.7286,
66.9718

■ 47.2335, 53.0482,
68.0723

■ 33.8862, 41.1900,
66.4869

■ 53.1356, 57.8678,
68.6915

■ 30.7634, 38.0369,
66.0429

■ 59.8203, 63.1507,
69.3589

■ 28.2307, 35.2449,
65.6374

■ 67.3183, 68.9133,
70.0760

■ 26.2354, 32.7862,
65.2680

■ 75.6585, 75.1711,
70.8443

■ 24.7146, 30.6279,
64.9316

■ 79.3689, 79.1037,
71.4078

■ 23.6609, 28.9078,
64.6551

■ 80.7713, 81.9086,
71.8752

■ 82.2159, 84.7978,
72.3568

■ 83.7031, 87.7721,
72.8525

Harmonies

Analogous

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



40.4562, 48.6727, 58.5638



42.0802, 48.6727, 67.4985



44.8704, 48.6727, 72.7887

Triad

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



42.0802, 48.6727, 67.4985



52.7366, 48.6727, 57.1251



44.4076, 48.6727, 37.4503

Complementary

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



42.0802, 48.6727, 67.4985



43.9000, 40.7110, 31.9310

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.



47.6820, 48.6727, 37.1625



42.0802, 48.6727, 67.4985



52.5982, 48.6727, 47.7933

Square

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



42.0802, 48.6727, 67.4985



51.0816, 48.6727, 66.3378



50.7119, 48.6727, 40.7360



41.7554, 48.6727, 41.5754

Rectangle

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



42.0802, 48.6727, 67.4985



47.0641, 48.6727, 73.1689



50.7119, 48.6727, 40.7360



45.4690, 48.6727, 36.9206

Sweetspot

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



42.0817, 48.6746, 67.4996



85.3294, 92.3530, 107.9363



40.5756, 54.0402, 41.1702



17.9485, 19.5150, 23.0707



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.



42.0817, 48.6746, 67.4996



61.4718, 72.3493, 105.3326



35.8145, 36.1403, 65.4106



11.9017, 12.8936, 15.1051



14.6694, 17.9855, 39.8909



0.8805, 1.1261, 2.2505

Inverse Universe

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



45.8946, 37.3533, 55.2452



68.4578, 52.4412, 82.6930



50.1060, 53.1230, 33.9996



12.1813, 11.9572, 14.2303



20.0352, 9.8869, 20.8893



1.1506, 0.5650, 1.3281

Previews

White Background



This preview shows how the XYZ color 42.0802, 48.6727, 67.4985 looks on a white background.

Color Contrast Check

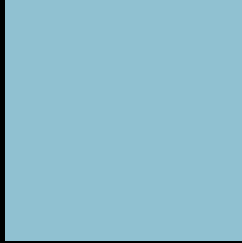
Large Text (above 18pt) WCAG AA × Fail

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 42.0802, 48.6727, 67.4985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

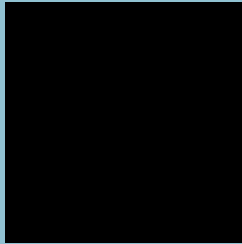
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0802, 48.6727, 67.4985

Background



This preview shows how black text looks on a background with the XYZ color 42.0802, 48.6727, 67.4985.



This preview shows how white text looks on a background with the XYZ color 42.0802, 48.6727,

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

42.0802, 48.6727, 67.4985

Protanopia

47.2414, 48.2460, 63.3224

Deuteranopia

49.4401, 48.3431, 69.0127



Tritanopia

42.0802, 48.6727, 67.4985

Trichromacy



Original Color

42.0802, 48.6727, 67.4985

Protanomaly

45.1520, 48.3834, 64.7168

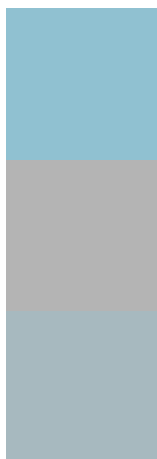
Deuteranomaly

46.3404, 48.2853, 68.5056

Tritanomaly

42.0802, 48.6727, 67.4985

Monochromacy



Original Color

42.0802, 48.6727, 67.4985

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.6893, 46.6750, 56.0494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0802, 48.6727, 67.4985 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(144, 193, 209)` looks like.

```
.text, #text, p{  
    color:rgb(144, 193, 209)  
}
```

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(144, 193, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 193, 209) }
```

Border

The CSS property to change the border of an element to XYZ 42.0802, 48.6727, 67.4985 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(144, 193, 209) }
```


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

```
.border{ border-color:rgb(144, 193, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 193, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 193, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 193, 209);  
box-shadow:4px 4px 4px 4px rgb(144, 193,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0802, 48.6727, 67.4985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 193, 209) }
```

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

```
.background{ background-color: rgb(144,  
193, 209) }
```

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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