

Converting Colors

XYZ(42.7045, 42.1497, 60.5285)

Have a look what the booklet for
XYZ(42.7045, 42.1497, 60.5285)
contains.

| | |
|--|----|
| XYZ(42.7045, 42.1497, 60.5285) | 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(42.7045, 42.1497,
60.5285)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B0AAC8 |
| RGB | 176, 170, 200 |
| RGB Percent | 69%, 67%, 78% |
| CMY | 0.3098, 0.3333, 0.2157 |
| CMYK | 0.12, 0.15, 0.00, 0.22 |
| HSL | 252°, 21%, 73% |
| HSV | 252°, 15%, 78% |
| XYZ | 42.7045, 42.1497, 60.5285 |
| YIQ | 175.2140, -6.0540, 10.6020 |

Conversions

Conversions Part 2

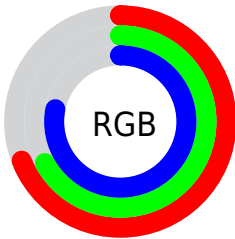
| Format | Color |
|-------------------------------------|--|
| RYB | 176, 170, 200 |
| Decimal | 11578056 |
| CIELab | 70.97, 8.07, -14.49 |
| CIELCh | 71, 16.587, 299.102 |
| Yxy | 42.1497, 0.2937, 0.2899 |
| Android (android.graphics.Color) | 4289768136 (0xFFB0AAC8) |
| YUV | 175.2140, 12.2195, 0.6893 |
| Hunter-Lab | 64.9228, 3.7977, -9.8310 |

Details

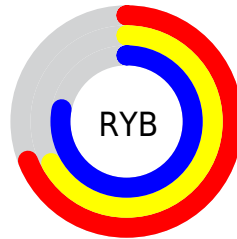
The XYZ color **42.7045, 42.1497, 60.5285** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.1597, 55.6813, 46.1361**, and the grayscale version is **40.8003, 42.9251, 46.7455**.

A 20% lighter version of the original color is **78.2539, 78.2262, 105.5825**, and **19.8351, 19.2431, 29.8630** is the 20% darker color. If you saturate the color by 10%, you get **35.8297, 33.4577, 59.2138**, and if you desaturate by 10%, it is **50.5788, 52.2058, 62.0552**.

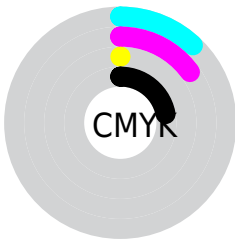
Distribution



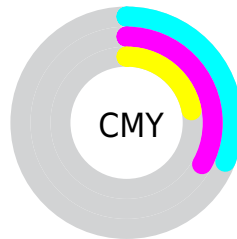
- Red (69%)
- Green (67%)
- Blue (78%)



- Red (69%)
- Yellow (67%)
- Blue (78%)



- Cyan (12%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)



- Cyan (31%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7045, 42.1497, 60.5285 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 42.7045, 42.1497, 60.5285 by changing the saturation by 10% instead.

■ 42.7045, 42.1497,
60.5285

■ 42.7045, 42.1497,
60.5285

348.3373,
355.1031, 444.4017

■ 29.8468, 29.2185,
43.4167

■ 78.5232, 78.4261,
107.1468

■ 19.8699, 19.2462,
29.8784

102.2150,
102.5402, 137.4904

■ 12.4082, 11.8483,
19.4950

130.2489,
131.1507, 173.0816

■ 7.0965, 6.6405,
11.8481

162.9903,
164.6420, 214.3391

■ 3.5694, 3.2383,
6.5190

200.8044,
203.3985, 261.6812

■ 1.4615, 1.2574,
3.0893

244.0567,

■ 0.2994, 0.1078,

247.8045, 315.5267

1.1404

293.1126,
298.2446, 376.2940

■ 0.0000, 0.0000,
0.0000

■ 42.7045, 42.1497,
60.5285

■ 42.7045, 42.1497,
60.5285

■ 35.8297, 33.4577,
59.2138

■ 50.5788, 52.2058,
62.0552

■ 29.9100, 26.0657,
58.0990

■ 59.4868, 63.6760,
63.7996

■ 24.9034, 19.9118,
57.1750

■ 69.4658, 76.6145,
65.7711

■ 20.7635, 14.9276,
56.4312

■ 80.5501, 91.0708,
67.9772

■ 17.4391, 11.0374,
55.8555

■ 87.4255, 96.9502,
68.7497

■ 14.8739, 8.1568,
55.4347

■ 13.0036, 6.1886,
55.1534

■ 11.7525, 5.0155,
54.9929

■ 11.3000, 4.6210,
54.9406

Harmonies

Analogous

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



39.9788, 42.1497, 62.8681



42.7045, 42.1497, 60.5285



44.8006, 42.1497, 54.1671

Triad

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



42.7045, 42.1497, 60.5285



42.8553, 42.1497, 34.0266



34.9766, 42.1497, 45.6556

Complementary

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



42.7045, 42.1497, 60.5285



50.1597, 55.6813, 46.1361

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.



35.6700, 42.1497, 38.5091



42.7045, 42.1497, 60.5285



40.1454, 42.1497, 32.2881

Square

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



42.7045, 42.1497, 60.5285



44.8904, 42.1497, 38.8779



37.5309, 42.1497, 33.8315



35.5929, 42.1497, 53.7068

Rectangle

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



42.7045, 42.1497, 60.5285



45.5141, 42.1497, 48.8338



37.5309, 42.1497, 33.8315



35.0637, 42.1497, 43.0744

Sweetspot

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



42.7058, 42.1515, 60.5294



88.9431, 92.1488, 107.7064



46.4075, 51.5239, 62.1434



18.7988, 19.4173, 23.0071



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.



42.7058, 42.1515, 60.5294



69.8713, 67.8182, 104.0153



46.1618, 43.9331, 60.6912



10.2514, 10.3879, 13.3822



7.2442, 2.9688, 34.9356



0.4032, 0.1716, 1.6570

Inverse Universe

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



47.9332, 44.9257, 57.1863



80.6724, 73.5530, 96.9918



46.6175, 53.8552, 45.9704



10.9887, 10.7789, 12.9238



19.2130, 9.4347, 22.1291



0.9335, 0.4563, 1.1731

Previews

White Background



This preview shows how the XYZ color 42.7045, 42.1497, 60.5285 looks on a white background.

Color Contrast Check

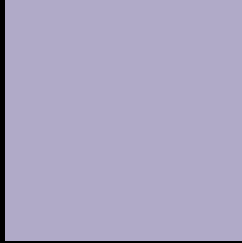
Large Text (above 18pt) WCAG AA × Fail

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 42.7045, 42.1497, 60.5285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

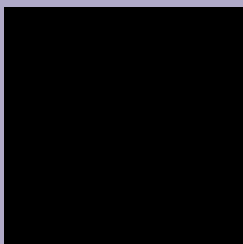
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7045, 42.1497, 60.5285

Background



This preview shows how black text looks on a background with the XYZ color 42.7045, 42.1497, 60.5285.



This preview shows how white text looks on a background with the XYZ color 42.7045, 42.1497,

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

42.7045, 42.1497, 60.5285

Protanopia

41.4436, 42.0469, 61.1899

Deuteranopia

42.9734, 42.0110, 60.4876



Tritanopia

41.0710, 42.0489, 52.4059

Trichromacy



Original Color

42.7045, 42.1497, 60.5285

Protanomaly

41.9001, 42.0008, 61.1569

Deuteranomaly

42.7448, 41.8932, 60.4769

Tritanomaly

41.6461, 42.0014, 55.2023

Monochromacy



Original Color

42.7045, 42.1497, 60.5285

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.2745, 42.4618, 51.3679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7045, 42.1497, 60.5285 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(176, 170, 200)` looks like.

```
.text, #text, p{  
    color:rgb(176, 170, 200)  
}
```

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(176, 170, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 170, 200) }
```

Border

The CSS property to change the border of an element to XYZ 42.7045, 42.1497, 60.5285 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(176, 170, 200) }
```


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

```
.border{ border-color:rgb(176, 170, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 170, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 170, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 170, 200); box-shadow:4px 4px 4px 4px rgb(176, 170, 200) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7045, 42.1497, 60.5285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 170, 200) }
```

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

```
.background{ background-color: rgb(176,  
170, 200) }
```

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