

Converting Colors

XYZ(42.0584, 40.7825, 57.5241)

Have a look what the booklet for
XYZ(42.0584, 40.7825, 57.5241)
contains.

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Color

**XYZ(42.0770, 40.7963,
57.2865)**

Conversions

Conversions Part 1

Format	Color
Hex	B3A6C3
RGB	179, 166, 195
RGB Percent	70%, 65%, 76%
CMY	0.2980, 0.3490, 0.2353
CMYK	0.08, 0.15, 0.00, 0.24
HSL	267°, 19%, 71%
HSV	267°, 15%, 76%
XYZ	42.0770, 40.7963, 57.2865
YIQ	173.1930, -1.5610, 11.7750

Conversions

Conversions Part 2

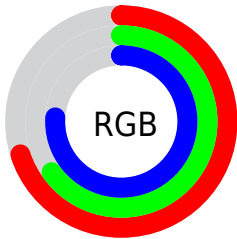
Format	Color
R _Y B	179, 166, 195
Decimal	11773635
CIE Lab	70.03, 10.24, -13.13
CIE LCh	70, 16.647, 307.956
Yxy	40.7963, 0.3002, 0.2911
Android (android.graphics.Color)	4289963715 (0xFFB3A6C3)
YUV	173.1930, 10.7509, 5.0927
Hunter-Lab	63.8720, 5.8146, -8.4666

Details

The XYZ color **42.0770, 40.7963, 57.2865** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.6908, 51.7295, 43.6550**, and the grayscale version is **39.7674, 41.8384, 45.5621**.

A 20% lighter version of the original color is **77.6881, 76.4033, 102.7482**, and **19.4292, 18.3933, 27.7255** is the 20% darker color. If you saturate the color by 10%, you get **36.4073, 33.0052, 56.0821**, and if you desaturate by 10%, it is **48.4806, 49.7658, 58.6809**.

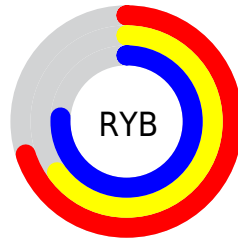
Distribution



Red (70%)

Green (65%)

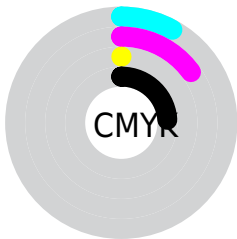
Blue (76%)



Red (70%)

Yellow (65%)

Blue (76%)

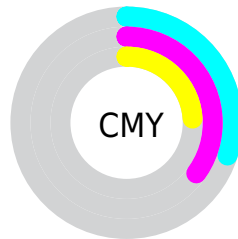


Cyan (8%)

Magenta (15%)

Yellow (0%)

Black (24%)



Cyan (30%)

Magenta (35%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0770, 40.7963, 57.2865 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 42.0770, 40.7963, 57.2865 by changing the saturation by 10% instead.

■ 42.0770, 40.7963,
57.2865

■ 42.0770, 40.7963,
57.2865

345.7882,
349.4685, 432.0458

■ 29.3530, 28.1600,
40.8244

■ 77.5806, 76.3746,
102.3876

■ 19.4936, 18.4463,
27.8632

■ 101.0908,
100.0853, 131.8637

■ 12.1336, 11.2709,
17.9845

128.9272,
128.2563, 166.5148

■ 6.9076, 6.2493,
10.7695

161.4550,
161.2719, 206.7596

■ 3.4502, 2.9973,
5.7998

199.0397,
199.5165, 253.0166

■ 1.3961, 1.1303,
2.6569

242.0466,

■ 0.2534, 0.0036,

243.3745, 305.7042

0.9216

290.8409,
293.2304, 365.2411

■ 0.0000, 0.0000,
0.0000

■ 42.0770, 40.7963,
57.2865

■ 42.0770, 40.7963,
57.2865

■ 36.4073, 33.0052,
56.0821

■ 48.4806, 49.7658,
58.6809

■ 31.4394, 26.3367,
55.0568

■ 55.6414, 59.9560,
60.2704

■ 27.1440, 20.7385,
54.2026

■ 63.5860, 71.4132,
62.0631

■ 23.4881, 16.1515,
53.5100

■ 72.3386, 84.1800,
64.0661

■ 20.4356, 12.5111,
52.9682

■ 79.1489, 92.7499,
65.3613

■ 17.9465, 9.7445,
52.5653

■ 82.7653, 94.6142,
65.5305

■ 15.9749, 7.7681,
52.2878

■ 86.5995, 96.5908,
65.7100

■ 14.4659, 6.4807,
52.1188

■ 86.8504, 96.7202,
65.7217

■ 13.8192, 5.9861,
52.0574

Harmonies

Analogous

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



39.5030, 40.7963, 60.9389



42.0770, 40.7963, 57.2865



43.8201, 40.7963, 50.2729

Triad

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



42.0770, 40.7963, 57.2865



40.7687, 40.7963, 31.9501



33.8305, 40.7963, 46.5227

Complementary

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



42.0770, 40.7963, 57.2865



45.6908, 51.7295, 43.6550

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.



34.1340, 40.7963, 39.0404



42.0770, 40.7963, 57.2865



38.0573, 40.7963, 31.1940

Square

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



42.0770, 40.7963, 57.2865



43.0406, 40.7963, 35.8421



35.6517, 40.7963, 33.6409



34.8022, 40.7963, 54.2683

Rectangle

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



42.0770, 40.7963, 57.2865



44.2320, 40.7963, 44.9557



35.6517, 40.7963, 33.6409



33.7876, 40.7963, 43.8890

Sweetspot

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



42.0782, 40.7980, 57.2874



87.8140, 90.5229, 105.3142



42.3945, 45.6822, 58.2135



19.0257, 19.5343, 23.0177



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.



42.0782, 40.7980, 57.2874



71.7549, 68.0792, 101.8285



45.4970, 42.5605, 57.4474



9.9474, 9.9640, 12.6838



9.0755, 3.9390, 33.8386



0.4713, 0.2110, 1.4658

Inverse Universe

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



44.5867, 42.2537, 50.0635



77.2001, 71.2404, 86.0864



42.5337, 50.1019, 43.5072



10.3005, 10.1688, 11.6731



16.4156, 8.2560, 10.1003



0.7436, 0.3704, 0.6171

Previews

White Background



This preview shows how the XYZ color 42.0770, 40.7963, 57.2865 looks on a white background.

Color Contrast Check

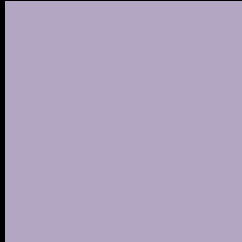
Large Text (above 18pt) WCAG AA × Fail

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 42.0770, 40.7963, 57.2865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

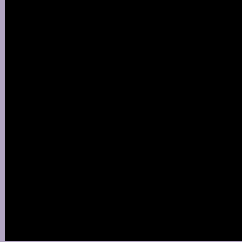
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0770, 40.7963, 57.2865

Background



This preview shows how black text looks on a background with the XYZ color 42.0770, 40.7963, 57.2865.



This preview shows how white text looks on a background with the XYZ color 42.0770, 40.7963,

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

42.0770, 40.7963, 57.2865

Protanopia

40.1787, 40.8877, 58.5978

Deuteranopia

41.8005, 40.9247, 57.3259



Tritanopia

40.5776, 40.7298, 49.9789

Trichromacy



Original Color

42.0770, 40.7963, 57.2865

Protanomaly

40.9464, 41.0194, 57.9840

Deuteranomaly

42.0291, 41.0425, 57.3366

Tritanomaly

41.1485, 40.6903, 52.6990

Monochromacy



Original Color

42.0770, 40.7963, 57.2865

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.3944, 41.1996, 49.5394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0770, 40.7963, 57.2865 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(179, 166, 195)` looks like.

```
.text, #text, p{  
    color:rgb(179, 166, 195)  
}
```

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(179, 166, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 166, 195) }
```

Border

The CSS property to change the border of an element to XYZ 42.0770, 40.7963, 57.2865 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(179, 166, 195) }
```


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

```
.border{ border-color:rgb(179, 166, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 166, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 166, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 166, 195);  
box-shadow:4px 4px 4px 4px rgb(179, 166,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0770, 40.7963, 57.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 166, 195) }
```

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

```
.background{ background-color: rgb(179,  
166, 195) }
```

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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