

Converting Colors

XYZ(42.4172, 40.1032, 62.6320)

Have a look what the booklet for
XYZ(42.4172, 40.1032, 62.6320)
contains.

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Color

**XYZ(42.3564, 40.0190,
62.6188)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A3CC
RGB	178, 163, 204
RGB Percent	70%, 64%, 80%
CMY	0.3020, 0.3608, 0.2000
CMYK	0.13, 0.20, 0.00, 0.20
HSL	262°, 29%, 72%
HSV	262°, 20%, 80%
XYZ	42.3564, 40.0190, 62.6188
YIQ	172.1590, -4.2210, 15.9310

Conversions

Conversions Part 2

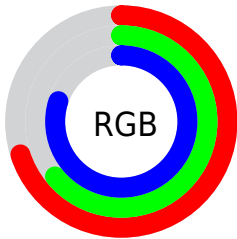
Format	Color
R _{YB}	178, 163, 204
Decimal	11707340
CIE _{Lab}	69.48, 13.45, -18.94
CIE _{LCh}	69, 23.227, 305.388
Yxy	40.0190, 0.2921, 0.2760
Android (android.graphics.Color)	4289897420 (0xFFB2A3CC)
YUV	172.1590, 15.6976, 5.1226
Hunter-Lab	63.2606, 8.8095, -14.4061

Details

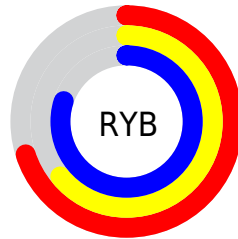
The XYZ color **42.3564, 40.0190, 62.6188** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.1913, 56.6499, 42.9940**, and the grayscale version is **39.2188, 41.2612, 44.9334**.

A 20% lighter version of the original color is **77.0531, 74.8552, 104.9951**, and **19.6469, 17.9309, 31.2797** is the 20% darker color. If you saturate the color by 10%, you get **36.1928, 31.8921, 61.3756**, and if you desaturate by 10%, it is **49.3867, 49.4620, 64.0716**.

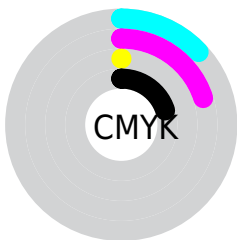
Distribution



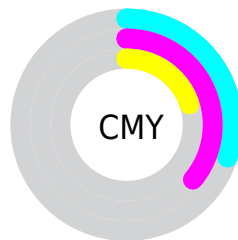
- Red (70%)
- Green (64%)
- Blue (80%)



- Red (70%)
- Yellow (64%)
- Blue (80%)



- Cyan (13%)
- Magenta (20%)
- Yellow (0%)
- Black (20%)



- Cyan (30%)
- Magenta (36%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3564, 40.0190, 62.6188 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 42.3564, 40.0190, 62.6188 by changing the saturation by 10% instead.

■ 42.3564, 40.0190,
62.6188

■ 42.3564, 40.0190,
62.6188

346.9248,
346.2036, 452.2545

■ 29.5728, 27.5534,
45.0939

■ 78.0005, 75.1924,
110.1996

■ 19.6610, 17.9892,
31.1879

■ 101.5917, 98.6690,
141.0926

■ 12.2557, 10.9423,
20.4823

129.5162,
126.5847, 177.2787

■ 6.9915, 6.0280,
12.5586

162.1393,
159.3239, 219.1764

■ 3.5031, 2.8621,
6.9982

199.8263,
197.2710, 267.2043

■ 1.4250, 1.0602,
3.3825

242.9427,

■ 0.2740, 0.0000,

240.8104, 321.7809

1.2931

291.8537,
290.3265, 383.3248

■ 0.0000, 0.0000,
0.0561

■ 0.0000, 0.0000,
0.0000

■ 42.3564, 40.0190,
62.6188

■ 42.3564, 40.0190,
62.6188

■ 36.1928, 31.8921,
61.3756

■ 49.3867, 49.4620,
64.0716

■ 30.8566, 25.0166,
60.3298

■ 57.3135, 60.2722,
65.7404

■ 26.3106, 19.3293,
59.4716

■ 66.1696, 72.5040,
67.6346

■ 22.5133, 14.7596,
58.7897

■ 75.9851, 86.2071,
69.7622

■ 19.4190, 11.2293,
58.2714

■ 83.5136, 94.8788,
71.0392

■ 16.9761, 8.6493,
57.9022

■ 87.8992, 97.1397,
71.2445

■ 15.1249, 6.9148,
57.6649

■ 13.7720, 5.8407,
57.5289

Harmonies

Analogous

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



38.7163, 40.0190, 67.4698



42.3564, 40.0190, 62.6188



44.9585, 40.0190, 52.7290

Triad

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



42.3564, 40.0190, 62.6188



41.1120, 40.0190, 27.4000



31.3155, 40.0190, 45.5370

Complementary

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



42.3564, 40.0190, 62.6188



49.1913, 56.6499, 42.9940

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.



31.8648, 40.0190, 35.5450



42.3564, 40.0190, 62.6188



37.3654, 40.0190, 26.1138

Square

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



42.3564, 40.0190, 62.6188



44.2076, 40.0190, 32.6995



34.0215, 40.0190, 28.8445



32.4688, 40.0190, 56.6258

Rectangle

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



42.3564, 40.0190, 62.6188



45.6667, 40.0190, 45.2515



34.0215, 40.0190, 28.8445



31.3080, 40.0190, 41.9383

Sweetspot

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



42.3576, 40.0207, 62.6197



86.8818, 88.8297, 107.1744



44.3425, 48.8230, 64.2141



18.4132, 18.7640, 22.9013



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.



42.3576, 40.0207, 62.6197



65.6720, 60.3423, 102.7937



47.2467, 42.5411, 62.8485



10.9828, 11.0405, 14.1225



8.7622, 3.7246, 36.2134



0.5349, 0.2349, 1.8721

Inverse Universe

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



47.1857, 42.7076, 53.9023



75.1398, 65.6156, 85.5046



44.5995, 54.2827, 42.7791



11.5066, 11.3314, 13.2026



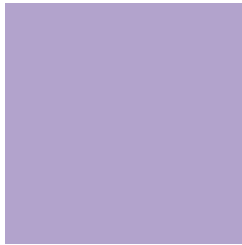
18.2292, 9.1023, 14.1913



0.9761, 0.4839, 0.9202

Previews

White Background



This preview shows how the XYZ color 42.3564, 40.0190, 62.6188 looks on a white background.

Color Contrast Check

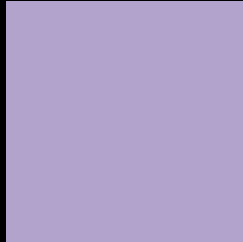
Large Text (above 18pt) WCAG AA × Fail

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 42.3564, 40.0190, 62.6188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

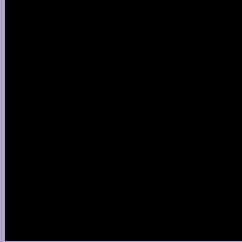
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3564, 40.0190, 62.6188

Background



This preview shows how black text looks on a background with the XYZ color 42.3564, 40.0190, 62.6188.



This preview shows how white text looks on a background with the XYZ color 42.3564, 40.0190,

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

42.3564, 40.0190, 62.6188

Protanopia

40.0857, 40.1364, 65.3089

Deuteranopia

40.9933, 40.1303, 62.0853



Tritanopia

39.5125, 39.9314, 48.8050

Trichromacy



Original Color

42.3564, 40.0190, 62.6188

Protanomaly

40.8351, 39.9929, 64.5987

Deuteranomaly

41.4682, 40.1063, 62.0556

Tritanomaly

40.5007, 40.0605, 53.7419

Monochromacy



Original Color

42.3564, 40.0190, 62.6188

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.2953, 40.8353, 51.1056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3564, 40.0190, 62.6188 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(178, 163, 204)` looks like.

```
.text, #text, p{  
    color:rgb(178, 163, 204)  
}
```

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(178, 163, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 163, 204) }
```

Border

The CSS property to change the border of an element to XYZ 42.3564, 40.0190, 62.6188 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(178, 163, 204) }
```


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

```
.border{ border-color:rgb(178, 163, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 163, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 163, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 163, 204);  
box-shadow:4px 4px 4px 4px rgb(178, 163,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3564, 40.0190, 62.6188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 163, 204) }
```

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

```
.background{ background-color: rgb(178,  
163, 204) }
```

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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