

Converting Colors

XYZ(42.1762, 36.8020, 40.3951)

Have a look what the booklet for
XYZ(42.1762, 36.8020, 40.3951)
contains.

XYZ(42.1676, 36.9080, 40.4988)	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(42.1676, 36.9080,
40.4988)**

Conversions

Conversions Part 1

Format	Color
Hex	CB95A5
RGB	203, 149, 165
RGB Percent	80%, 58%, 65%
CMY	0.2039, 0.4157, 0.3529
CMYK	0.00, 0.27, 0.19, 0.20
HSL	342°, 34%, 69%
HSV	342°, 27%, 80%
XYZ	42.1676, 36.9080, 40.4988
YIQ	166.9700, 27.0480, 16.4240

Conversions

Conversions Part 2

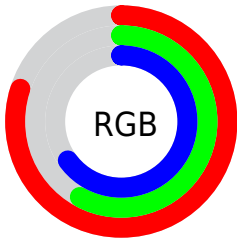
Format	Color
R _Y B	203, 149, 165
Decimal	13342117
CIE Lab	67.21, 22.69, -0.37
CIE LCh	67, 22.692, 359.064
Yxy	36.9080, 0.3526, 0.3087
Android (android.graphics.Color)	4291532197 (0xFFCB95A5)
YUV	166.9700, -0.9712, 31.5983
Hunter-Lab	60.7520, 17.5800, 3.0021

Details

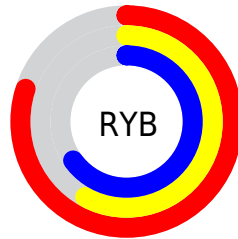
The XYZ color **42.1676, 36.9080, 40.4988** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **42.7215, 52.6903, 54.9348**, and the grayscale version is **36.7122, 38.6241, 42.0616**.

A 20% lighter version of the original color is **75.5142, 69.1392, 77.0753**, and **19.5611, 16.2235, 17.7233** is the 20% darker color. If you saturate the color by 10%, you get **38.0030, 30.5446, 33.0496**, and if you desaturate by 10%, it is **47.0393, 44.4525, 48.9012**.

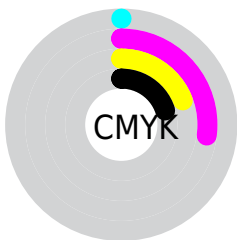
Distribution



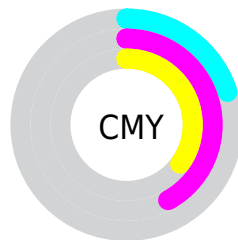
- Red (80%)
- Green (58%)
- Blue (65%)



- Red (80%)
- Yellow (58%)
- Blue (65%)



- Cyan (0%)
- Magenta (27%)
- Yellow (19%)
- Black (20%)





- Cyan (20%)
- Magenta (42%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1676, 36.9080, 40.4988 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 42.1676, 36.9080, 40.4988 by changing the saturation by 10% instead.


 42.1676, 36.9080,
40.4988


 42.1676, 36.9080,
40.4988

346.1571,
332.9120, 363.8359

 29.4242, 25.1363,
27.6109


 77.7168, 70.4313,
77.1679

 19.5479, 16.1786,
17.7961

 101.2533, 92.9516,
101.7861

 12.1732, 9.6506,
10.6358


129.1183,
119.8236, 131.1516

 6.9348, 5.1679,
5.7114

161.6770,
151.4316, 165.6828

 3.4673, 2.3461,
2.6045

199.2949,
188.1601, 205.7983

 1.4054, 0.7980,
0.8948

242.3373,

 0.2601, 0.0000,

230.3934, 251.9166

0.0000

291.1696,
278.5159, 304.4563

■ 0.0000, 0.0000,
0.0000

■ 42.1676, 36.9080,
40.4988

■ 42.1676, 36.9080,
40.4988

■ 38.0030, 30.5446,
33.0496

■ 47.0393, 44.4525,
48.9012

■ 34.5086, 25.2971,
26.5166

■ 52.6466, 53.2285,
58.2875

■ 31.6488, 21.1019,
20.8636

■ 59.0199, 63.2901,
68.6896

■ 29.3832, 17.8869,
16.0511

■ 66.1871, 74.6863,
80.1373

■ 27.6667, 15.5707,
12.0360

■ 74.1748, 87.4635,
92.6592

■ 26.4471, 14.0585,
8.7711

■ 77.7570, 91.1639,
104.5323

■ 25.6578, 13.2281,
6.2016

■ 78.4388, 91.4366,
108.1226

■ 25.4481, 13.0243,
5.4669

Harmonies

Analogous

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



41.1068, 36.9080, 50.8084



42.1676, 36.9080, 40.4988



41.2278, 36.9080, 31.6164

Triad

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



42.1676, 36.9080, 40.4988



31.9437, 36.9080, 25.7167



31.7671, 36.9080, 58.8627

Complementary

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



42.1676, 36.9080, 40.4988



42.7215, 52.6903, 54.9348

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.



29.5758, 36.9080, 50.1803



42.1676, 36.9080, 40.4988



29.6730, 36.9080, 31.1589

Square

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



42.1676, 36.9080, 40.4988



35.1888, 36.9080, 23.9762



28.8346, 36.9080, 39.8759



34.9713, 36.9080, 62.4279

Rectangle

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



42.1676, 36.9080, 40.4988



39.6260, 36.9080, 27.4335



28.8346, 36.9080, 39.8759



30.8956, 36.9080, 56.3824

Sweetspot

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



42.1686, 36.9097, 40.4996



86.6579, 86.7775, 95.1225



41.9729, 36.3481, 61.3040



18.2308, 18.0756, 19.8323



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.



42.1686, 36.9097, 40.4996



66.4043, 55.3584, 60.3541



42.5909, 39.9404, 33.9003



11.3468, 11.2675, 12.3608



16.2301, 8.3026, 3.6643



0.8709, 0.4418, 0.3661

Inverse Universe

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



42.1686, 36.9097, 40.4996



66.4043, 55.3584, 60.3541



42.0688, 48.4897, 63.6425



11.3468, 11.2675, 12.3608



16.2301, 8.3026, 3.6643



0.8709, 0.4418, 0.3661

Previews

White Background



This preview shows how the XYZ color 42.1676, 36.9080, 40.4988 looks on a white background.

Color Contrast Check

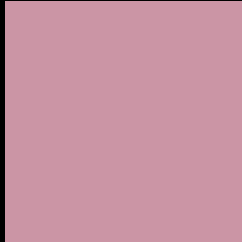
Large Text (above 18pt) WCAG AA × Fail

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 42.1676, 36.9080, 40.4988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

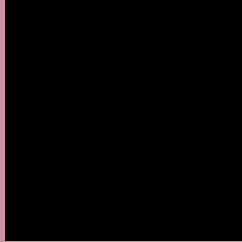
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1676, 36.9080, 40.4988

Background



This preview shows how black text looks on a background with the XYZ color 42.1676, 36.9080, 40.4988.



This preview shows how white text looks on a background with the XYZ color 42.1676, 36.9080,

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

42.1676, 36.9080, 40.4988

Protanopia

35.9499, 37.1040, 44.8022

Deuteranopia

37.8314, 37.1439, 39.8259



Tritanopia

41.9680, 37.0824, 38.6639

Trichromacy



Original Color

42.1676, 36.9080, 40.4988

Protanomaly

37.8427, 36.8210, 43.1428

Deuteranomaly

39.1612, 36.8144, 40.1638

Tritanomaly

42.0565, 37.1178, 39.1303

Monochromacy



Original Color

42.1676, 36.9080, 40.4988

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.2761, 37.5981, 41.3162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1676, 36.9080, 40.4988 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(203, 149, 165)` looks like.

```
.text, #text, p{  
    color:rgb(203, 149, 165)  
}
```

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(203, 149, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 149, 165) }
```

Border

The CSS property to change the border of an element to XYZ 42.1676, 36.9080, 40.4988 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(203, 149, 165) }
```


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

```
.border{ border-color:rgb(203, 149, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 149, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 149, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 149, 165);  
box-shadow:4px 4px 4px 4px rgb(203, 149,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1676, 36.9080, 40.4988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 149, 165) }
```

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

```
.background{ background-color: rgb(203,  
149, 165) }
```

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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