

Converting Colors

XYZ(36.4934, 39.1724, 42.4181)

Have a look what the booklet for
XYZ(36.4934, 39.1724, 42.4181)
contains.

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Color

**XYZ(36.4729, 39.0585,
42.1759)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A9A7
RGB	164, 169, 167
RGB Percent	64%, 66%, 65%
CMY	0.3569, 0.3372, 0.3451
CMYK	0.03, 0.00, 0.01, 0.34
HSL	156°, 3%, 65%
HSV	156°, 3%, 66%
XYZ	36.4729, 39.0585, 42.1759
YIQ	167.2770, -2.3380, -1.6820

Conversions

Conversions Part 2

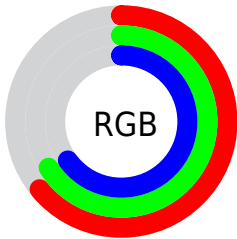
Format	Color
RYB	164, 167, 169
Decimal	10791335
CIELab	68.79, -2.15, 0.40
CIELCh	69, 2.187, 169.337
Yxy	39.0585, 0.3099, 0.3318
Android (android.graphics.Color)	4288981415 (0xFFA4A9A7)
YUV	167.2770, -0.1366, -2.8739
Hunter-Lab	62.4968, -5.1975, 3.7360

Details

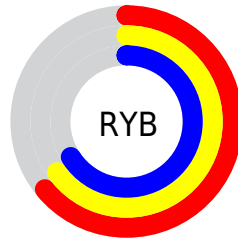
The XYZ color **36.4729, 39.0585, 42.1759** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.5221, 37.7402, 41.4381**, and the grayscale version is **36.8680, 38.7881, 42.2402**.

A 20% lighter version of the original color is **69.0539, 73.6453, 79.6827**, and **16.1379, 17.4051, 18.7286** is the 20% darker color. If you saturate the color by 10%, you get **32.6052, 37.1361, 38.8150**, and if you desaturate by 10%, it is **40.8391, 41.2363, 45.7326**.

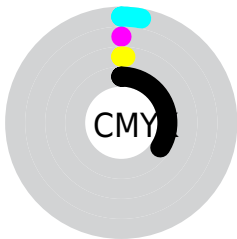
Distribution



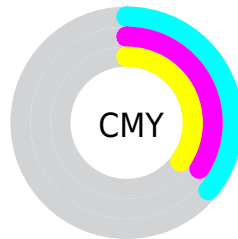
- Red (64%)
- Green (66%)
- Blue (65%)



- Red (64%)
- Yellow (65%)
- Blue (66%)



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (34%)



- Cyan (36%)
- Magenta (34%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4729, 39.0585, 42.1759 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 36.4729, 39.0585, 42.1759 by changing the saturation by 10% instead.

■ 36.4729, 39.0585,
42.1759

■ 36.4729, 39.0585,
42.1759

322.4181,
342.1391, 371.0327

■ 24.9714, 26.8052,
28.9125

■ 69.0805, 73.7277,
79.7387

■ 16.1844, 17.4270,
18.7696

■ 90.9173, 96.9124,
104.8752

■ 9.7464, 10.5394,
11.3288

116.9299,
124.5097, 134.8064

■ 5.2921, 5.7580,
6.1715

147.4838,
156.9040, 169.9509

■ 2.4562, 2.6985,
2.8792

182.9442,
194.4797, 210.7273

■ 0.8732, 0.9764,
1.0333

223.6764,

■ 0.0000, 0.0000,

237.6212, 257.5540

0.0000

270.0460,
286.7129, 310.8496

■ 36.4729, 39.0585,
42.1759

■ 36.4729, 39.0585,
42.1759

■ 32.6052, 37.1361,
38.8150

■ 40.8391, 41.2363,
45.7326

■ 29.2140, 35.4546,
35.6439

■ 45.7180, 43.6734,
49.4859

■ 26.2806, 34.0053,
32.6599

■ 51.1276, 46.3803,
53.4400

■ 23.7836, 32.7775,
29.8592

■ 57.0838, 49.3649,
57.5979

■ 21.7002, 31.7593,
27.2381

■ 63.6018, 52.6352,
61.9628

■ 20.0051, 30.9378,
24.7925

■ 66.7646, 54.1718,
66.3537

■ 18.6700, 30.2986,
22.5181

■ 67.6131, 54.5112,
70.8216

■ 17.6631, 29.8251,
20.4104

■ 68.4975, 54.8650,
75.4787

■ 16.9458, 29.4976,
18.4645

■ 69.4182, 55.2332,
80.3273

Harmonies

Analogous

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



36.6207, 39.0585, 41.2966



36.4729, 39.0585, 42.1759



36.4987, 39.0585, 43.1631

Triad

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



36.4729, 39.0585, 42.1759



37.3450, 39.0585, 44.3544



37.5599, 39.0585, 41.0968

Complementary

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



36.4729, 39.0585, 42.1759



36.5221, 37.7402, 41.4381

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.



37.7563, 39.0585, 41.8993



36.4729, 39.0585, 42.1759



37.6317, 39.0585, 43.7838

Square

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



36.4729, 39.0585, 42.1759



37.0008, 39.0585, 44.4313



37.7827, 39.0585, 42.8822



37.2474, 39.0585, 40.6800

Rectangle

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



36.4729, 39.0585, 42.1759



36.6109, 39.0585, 43.7493



37.7827, 39.0585, 42.8822



37.6417, 39.0585, 41.3298

Sweetspot

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



36.4740, 39.0602, 42.1768



66.7671, 70.6719, 76.7416



36.6336, 39.1741, 40.7532



14.5618, 15.4081, 16.7342



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.4740, 39.0602, 42.1768



64.5061, 69.5459, 74.8460



36.5832, 38.9800, 43.1339



8.0262, 8.6832, 9.3288



12.3642, 21.8644, 12.9507



0.3251, 0.5417, 0.4427

Inverse Universe

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



36.5221, 37.7402, 41.4381



64.6236, 66.3181, 73.0398



36.4145, 37.8167, 40.5027



8.0429, 8.2242, 9.0720



12.9896, 6.6046, 4.7571



0.3414, 0.1709, 0.2495

Previews

White Background



This preview shows how the XYZ color 36.4729, 39.0585, 42.1759 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 36.4729, 39.0585, 42.1759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

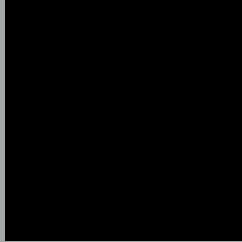
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

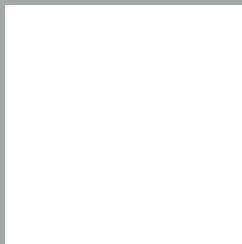
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4729, 39.0585, 42.1759

Background



This preview shows how black text looks on a background with the XYZ color 36.4729, 39.0585, 42.1759.

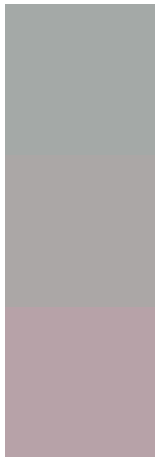


This preview shows how white text looks on a background with the XYZ color 36.4729, 39.0585,

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

36.4729, 39.0585, 42.1759

Protanopia

37.4962, 39.0485, 41.6372

Deuteranopia

39.5167, 38.7351, 42.4397



Tritanopia

37.7828, 39.0397, 48.7241

Trichromacy



Original Color

36.4729, 39.0585, 42.1759

Protanomaly

37.0340, 39.0833, 41.6683

Deuteranomaly

38.4275, 38.9675, 42.5419

Tritanomaly

37.2575, 39.0997, 46.1408

Monochromacy



Original Color

36.4729, 39.0585, 42.1759

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.7036, 38.9023, 42.1336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4729, 39.0585, 42.1759 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(164, 169, 167)` looks like.

```
.text, #text, p{  
    color:rgb(164, 169, 167)  
}
```

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(164, 169, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 169, 167) }
```

Border

The CSS property to change the border of an element to XYZ 36.4729, 39.0585, 42.1759 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(164, 169, 167) }
```


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

```
.border{ border-color:rgb(164, 169, 167) }
```

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

Here you see how a box with a 4 pixel rgb(164, 169, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 169, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 169, 167);  
box-shadow:4px 4px 4px 4px rgb(164, 169,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4729, 39.0585, 42.1759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 169, 167) }
```

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

```
.background{ background-color: rgb(164,  
169, 167) }
```

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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