

Converting Colors

XYZ(36.4891, 37.0623, 41.9693)

Have a look what the booklet for
XYZ(36.4891, 37.0623, 41.9693)
contains.

XYZ(36.4729, 37.1767, 41.8127)	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(36.4729, 37.1767,
41.8127)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA2A7
RGB	170, 162, 167
RGB Percent	67%, 64%, 65%
CMY	0.3333, 0.3647, 0.3451
CMYK	0.00, 0.05, 0.02, 0.33
HSL	323°, 4%, 65%
HSV	323°, 5%, 67%
XYZ	36.4729, 37.1767, 41.8127
YIQ	164.9620, 3.1630, 3.2510

Conversions

Conversions Part 2

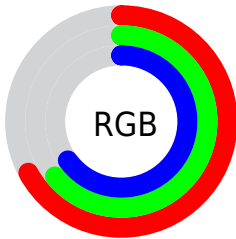
Format	Color
RYB	170, 162, 167
Decimal	11182759
CIELab	67.41, 3.82, -1.56
CIELCh	67, 4.125, 337.744
Yxy	37.1767, 0.3159, 0.3220
Android (android.graphics.Color)	4289372839 (0xFFAAA2A7)
YUV	164.9620, 1.0047, 4.4183
Hunter-Lab	60.9727, 0.0736, 2.0221

Details

The XYZ color **36.4729, 37.1767, 41.8127** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.0679, 39.1483, 41.2546**, and the grayscale version is **35.7411, 37.6024, 40.9490**.

A 20% lighter version of the original color is **69.0490, 70.9072, 79.1544**, and **16.1417, 16.2412, 18.5038** is the 20% darker color. If you saturate the color by 10%, you get **33.1037, 31.3581, 37.8526**, and if you desaturate by 10%, it is **40.2782, 43.8198, 46.0625**.

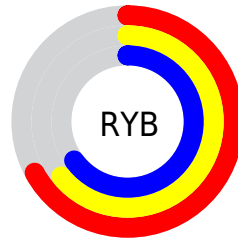
Distribution



Red (67%)

Green (64%)

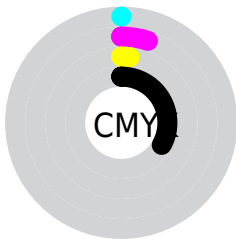
Blue (65%)



Red (67%)

Yellow (64%)

Blue (65%)

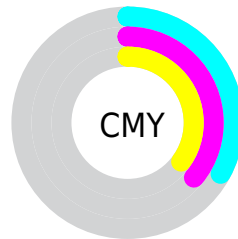


Cyan (0%)

Magenta (5%)

Yellow (2%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4729, 37.1767, 41.8127 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, 37.1767, 41.8127 by changing the saturation by 10% instead.

■ 36.4729, 37.1767,
41.8127

■ 36.4729, 37.1767,
41.8127

322.4181,
334.0749, 369.4827

■ 24.9714, 25.3443,
28.6302

■ 69.0805, 70.8445,
79.1831

■ 16.1844, 16.3338,
18.5581

■ 90.9173, 93.4487,
104.2081

■ 9.7464, 9.7607,
11.1778

116.9299,
120.4122, 134.0176

■ 5.2921, 5.2406,
6.0709

147.4838,
152.1196, 169.0302

■ 2.4562, 2.3891,
2.8188

182.9442,
188.9552, 209.6645

■ 0.8732, 0.8203,
1.0028

223.6764,

■ 0.0000, 0.0000,

231.3033, 256.3390

0.0000

270.0460,
279.5484, 309.4722

■ 36.4729, 37.1767,
41.8127

■ 36.4729, 37.1767,
41.8127

■ 33.1037, 31.3581,
37.8526

■ 40.2782, 43.8198,
46.0625

■ 30.1508, 26.3268,
34.1723

■ 44.5319, 51.3132,
50.6068

■ 27.5976, 22.0499,
30.7645

■ 49.2501, 59.6876,
55.4533

■ 25.4253, 18.4900,
27.6208

■ 54.4468, 68.9706,
60.6087

■ 23.6132, 15.6069,
24.7323

■ 60.1355, 79.1887,
66.0793

■ 22.1389, 13.3563,
22.0891

■ 63.3891, 84.4867,
70.8912

■ 20.9771, 11.6883,
19.6805

■ 64.1761, 84.8015,
75.0359

■ 20.0987, 10.5457,
17.4945

■ 64.9950, 85.1290,
79.3478

■ 19.4686, 9.8588,
15.5169

■ 65.8459, 85.4694,
83.8289

Harmonies

Analogous

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



36.0850, 37.1767, 43.2963



36.4729, 37.1767, 41.8127



36.5542, 37.1767, 40.0116

Triad

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



36.4729, 37.1767, 41.8127



35.1717, 37.1767, 37.1250



34.3823, 37.1767, 42.6488

Complementary

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



36.4729, 37.1767, 41.8127



36.0679, 39.1483, 41.2546

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.



34.1439, 37.1767, 40.9502



36.4729, 37.1767, 41.8127



34.5961, 37.1767, 37.7869

Square

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



36.4729, 37.1767, 41.8127



35.7980, 37.1767, 37.3404



34.2217, 37.1767, 39.1742



34.8767, 37.1767, 43.7890

Rectangle

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



36.4729, 37.1767, 41.8127



36.4227, 37.1767, 38.8793



34.2217, 37.1767, 39.1742



34.2699, 37.1767, 42.1223

Sweetspot

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



36.4740, 37.1783, 41.8135



68.6284, 71.7205, 78.6454



35.6806, 36.7369, 43.2410



15.3129, 16.0087, 17.5477



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



36.4740, 37.1783, 41.8135



65.2715, 65.8833, 74.8246



36.1160, 37.0351, 39.9284



7.9332, 7.9858, 9.0940



14.1448, 7.0666, 10.8401



0.3677, 0.1814, 0.3879

Inverse Universe

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



36.4740, 37.1783, 41.8135



65.2715, 65.8833, 74.8246



36.4313, 39.2937, 43.1683



7.9332, 7.9858, 9.0940



14.1448, 7.0666, 10.8401



0.3677, 0.1814, 0.3879

Previews

White Background



This preview shows how the XYZ color 36.4729, 37.1767, 41.8127 looks on a white background.

Color Contrast Check

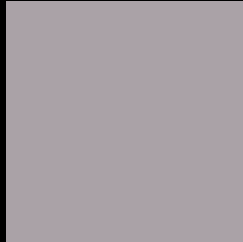
Large Text (above 18pt) WCAG AA × Fail

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, 37.1767, 41.8127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

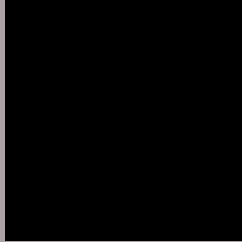
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4729, 37.1767, 41.8127

Background



This preview shows how black text looks on a background with the XYZ color 36.4729, 37.1767, 41.8127.

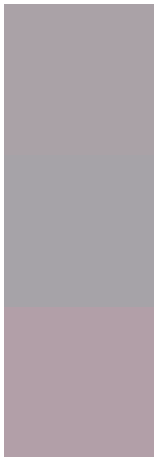


This preview shows how white text looks on a background with the XYZ color 36.4729, 37.1767,

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, 37.1767, 41.8127

Protanopia

35.8910, 37.1285, 42.3207

Deuteranopia

37.8261, 37.0884, 42.2109



Tritanopia

37.1794, 37.2037, 45.2659

Trichromacy



Original Color

36.4729, 37.1767, 41.8127

Protanomaly

36.1014, 37.2370, 42.3305

Deuteranomaly

37.3179, 37.0827, 42.2366

Tritanomaly

36.8901, 37.0879, 43.7424

Monochromacy



Original Color

36.4729, 37.1767, 41.8127

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.0947, 37.5196, 41.4160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4729, 37.1767, 41.8127 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(170, 162, 167) looks like.

```
.text, #text, p{  
    color:rgb(170, 162, 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(170, 162, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 162, 167) }
```

Border

The CSS property to change the border of an element to XYZ 36.4729, 37.1767, 41.8127 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(170, 162, 167) }
```


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

```
.border{ border-color:rgb(170, 162, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 162, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 162, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 162, 167);  
box-shadow:4px 4px 4px 4px rgb(170, 162,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4729, 37.1767, 41.8127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 162, 167) }
```

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

```
.background{ background-color: rgb(170,  
162, 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](#).

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