

Converting Colors

XYZ(37.5689, 36.2608, 46.0676)

Have a look what the booklet for
XYZ(37.5689, 36.2608, 46.0676)
contains.

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Color

**XYZ(37.5726, 36.3625,
46.1127)**

Conversions

Conversions Part 1

Format	Color
Hex	AF9DB0
RGB	175, 157, 176
RGB Percent	69%, 62%, 69%
CMY	0.3137, 0.3843, 0.3098
CMYK	0.01, 0.11, 0.00, 0.31
HSL	297°, 11%, 65%
HSV	297°, 11%, 69%
XYZ	37.5726, 36.3625, 46.1127
YIQ	164.5480, 4.6290, 9.7250

Conversions

Conversions Part 2

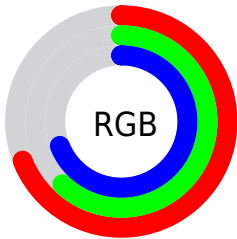
Format	Color
RYB	175, 157, 176
Decimal	11509168
CIELab	66.80, 10.08, -7.44
CIELCh	67, 12.527, 323.556
Yxy	36.3625, 0.3130, 0.3029
Android (android.graphics.Color)	4289699248 (0xFFAF9DB0)
YUV	164.5480, 5.6458, 9.1664
Hunter-Lab	60.3013, 5.6926, -3.1284

Details

The XYZ color **37.5726, 36.3625, 46.1127** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7131, 40.7551, 37.8844**, and the grayscale version is **35.5211, 37.3709, 40.6969**.

A 20% lighter version of the original color is **71.0640, 69.9021, 86.0909**, and **16.8182, 15.9009, 21.2515** is the 20% darker color. If you saturate the color by 10%, you get **34.5999, 30.7243, 45.1816**, and if you desaturate by 10%, it is **40.9778, 42.8624, 47.1884**.

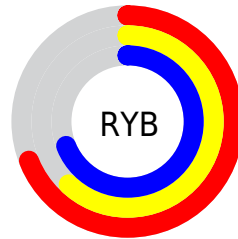
Distribution



Red (69%)

Green (62%)

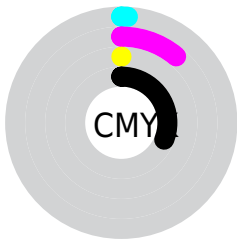
Blue (69%)



Red (69%)

Yellow (62%)

Blue (69%)

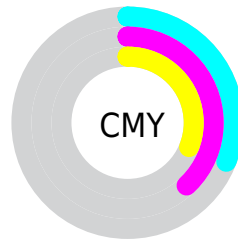


Cyan (1%)

Magenta (11%)

Yellow (0%)

Black (31%)



Cyan (31%)

Magenta (38%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5726, 36.3625, 46.1127 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 37.5726, 36.3625, 46.1127 by changing the saturation by 10% instead.

■ 37.5726, 36.3625,
46.1127

■ 37.5726, 36.3625,
46.1127

327.0956,
330.5422, 387.5523

■ 25.8268, 24.7143,
31.9855

■ 70.7607, 69.5912,
85.7237

■ 16.8261, 15.8643,
21.0857

■ 92.9338, 91.9405,
112.0445

■ 10.2051, 9.4282,
12.9948

119.3133,
118.6256, 143.2670

■ 5.5985, 5.0215,
7.2943

150.2647,
150.0309, 179.8096

■ 2.6408, 2.2599,
3.5656

186.1532,
186.5408, 222.0909

■ 0.9668, 0.7524,
1.3902

227.3443,

■ 0.0000, 0.0000,

228.5398, 270.5294

0.1340

274.2033,
276.4121, 325.5437

■ 0.0000, 0.0000,
0.0000

■ 37.5726, 36.3625,
46.1127

■ 37.5726, 36.3625,
46.1127

■ 34.5999, 30.7243,
45.1816

■ 40.9778, 42.8624,
47.1884

■ 32.0383, 25.9067,
44.3868

■ 44.8294, 50.2538,
48.4120

■ 29.8692, 21.8720,
43.7223

■ 49.1448, 58.5704,
49.7899

■ 28.0715, 18.5780,
43.1813

■ 53.9394, 67.8433,
51.3270

■ 26.6221, 15.9784,
42.7559

■ 59.2278, 78.1018,
53.0284

■ 25.4951, 14.0216,
42.4376

■ 62.5498, 84.4254,
54.0739

■ 24.6612, 12.6489,
42.2166

■ 62.7672, 84.5374,
54.0840

■ 24.0857, 11.7909,
42.0813

■ 62.9860, 84.6502,
54.0943

■ 23.7169, 11.3212,
42.0101

■ 63.2062, 84.7638,
54.1046

Harmonies

Analogous

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



36.0364, 36.3625, 49.9363



37.5726, 36.3625, 46.1127



38.3055, 36.3625, 40.7740

Triad

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



37.5726, 36.3625, 46.1127



34.9716, 36.3625, 30.1122



31.3315, 36.3625, 43.9058

Complementary

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



37.5726, 36.3625, 46.1127



35.7131, 40.7551, 37.8844

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.



31.0697, 36.3625, 38.4342



37.5726, 36.3625, 46.1127



33.1273, 36.3625, 30.7860

Square

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



37.5726, 36.3625, 46.1127



36.7688, 36.3625, 31.7859



31.7157, 36.3625, 33.7180



32.4443, 36.3625, 48.5831

Rectangle

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



37.5726, 36.3625, 46.1127



38.2216, 36.3625, 37.1994



31.7157, 36.3625, 33.7180



31.1428, 36.3625, 42.0862

Sweetspot

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



37.5737, 36.3641, 46.1135



72.8547, 74.9356, 85.1195



34.0151, 34.8493, 46.0087



15.6791, 16.0301, 18.4121



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



37.5737, 36.3641, 46.1135



66.7620, 63.3211, 83.1987



37.0088, 36.1642, 41.9629



8.8050, 8.6235, 10.7068



17.4170, 8.3146, 30.8239



0.5614, 0.2685, 0.9705

Inverse Universe

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



36.1344, 35.8144, 37.3581



63.6200, 62.1221, 64.0415



36.2441, 40.9448, 41.7030



8.5139, 8.5123, 8.9386



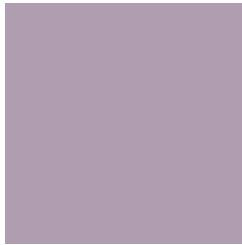
13.1810, 6.7900, 0.8472



0.4207, 0.2160, 0.0581

Previews

White Background



This preview shows how the XYZ color 37.5726, 36.3625, 46.1127 looks on a white background.

Color Contrast Check

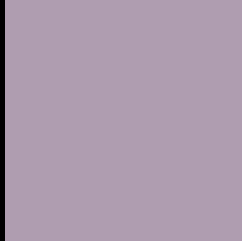
Large Text (above 18pt) WCAG AA × Fail

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 37.5726, 36.3625, 46.1127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

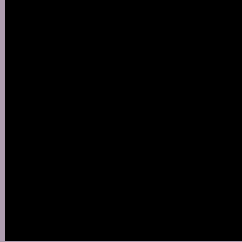
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5726, 36.3625, 46.1127

Background



This preview shows how black text looks on a background with the XYZ color 37.5726, 36.3625, 46.1127.



This preview shows how white text looks on a background with the XYZ color 37.5726, 36.3625,

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

37.5726, 36.3625, 46.1127

Protanopia

35.5795, 36.3215, 47.7833

Deuteranopia

37.0766, 36.3590, 46.1381



Tritanopia

36.9381, 36.3547, 43.1005

Trichromacy



Original Color

37.5726, 36.3625, 46.1127

Protanomaly

36.3326, 36.4630, 47.2426

Deuteranomaly

37.2969, 36.4725, 46.1484

Tritanomaly

37.1288, 36.4309, 44.1047

Monochromacy



Original Color

37.5726, 36.3625, 46.1127

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.4439, 37.1402, 42.7841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5726, 36.3625, 46.1127 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(175, 157, 176)` looks like.

```
.text, #text, p{  
    color:rgb(175, 157, 176)  
}
```

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(175, 157, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 157, 176) }
```

Border

The CSS property to change the border of an element to XYZ 37.5726, 36.3625, 46.1127 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(175, 157, 176) }
```


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

```
.border{ border-color:rgb(175, 157, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 157, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 157, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 157, 176);  
box-shadow:4px 4px 4px 4px rgb(175, 157,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5726, 36.3625, 46.1127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 157, 176) }
```

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

```
.background{ background-color: rgb(175,  
157, 176) }
```

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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