

Converting Colors

XYZ(36.0650, 36.8673, 46.2901)

Have a look what the booklet for
XYZ(36.0650, 36.8673, 46.2901)
contains.

XYZ(36.0666, 36.8678, 46.2896)	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(36.0666, 36.8678,
46.2896)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A2B0
RGB	164, 162, 176
RGB Percent	64%, 64%, 69%
CMY	0.3569, 0.3647, 0.3098
CMYK	0.07, 0.08, 0.00, 0.31
HSL	249°, 8%, 66%
HSV	249°, 8%, 69%
XYZ	36.0666, 36.8678, 46.2896
YIQ	164.1940, -3.3020, 4.7780

Conversions

Conversions Part 2

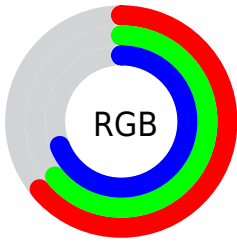
Format	Color
RYB	164, 162, 176
Decimal	10789552
CIELab	67.18, 3.46, -6.98
CIElCh	67, 7.787, 296.395
Yxy	36.8678, 0.3025, 0.3092
Android (android.graphics.Color)	4288979632 (0xFFA4A2B0)
YUV	164.1940, 5.8204, -0.1701
Hunter-Lab	60.7189, -0.2302, -2.6971

Details

The XYZ color **36.0666, 36.8678, 46.2896** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.5040, 42.6591, 40.3363**, and the grayscale version is **35.3541, 37.1953, 40.5057**.

A 20% lighter version of the original color is **68.5918, 70.5120, 86.3389**, and **15.8961, 16.0518, 21.3293** is the 20% darker color. If you saturate the color by 10%, you get **30.2495, 29.5850, 45.1910**, and if you desaturate by 10%, it is **42.6893, 45.2120, 47.5517**.

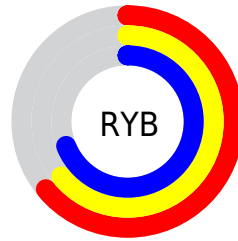
Distribution



Red (64%)

Green (64%)

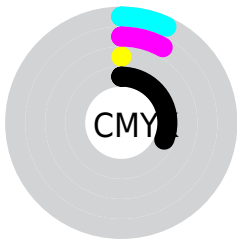
Blue (69%)



Red (64%)

Yellow (64%)

Blue (69%)

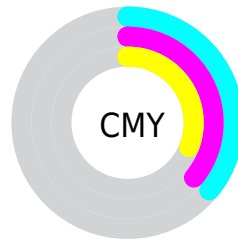


Cyan (7%)

Magenta (8%)

Yellow (0%)

Black (31%)



Cyan (36%)

Magenta (36%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0666, 36.8678, 46.2896 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 36.0666, 36.8678, 46.2896 by changing the saturation by 10% instead.

■ 36.0666, 36.8678,
46.2896

■ 36.0666, 36.8678,
46.2896

320.6777,
332.7378, 388.2831

■ 24.6560, 25.1052,
32.1241

■ 68.4580, 70.3694,
85.9911

■ 15.9483, 16.1554,
21.1907

■ 90.1696, 92.8772,
112.3642

■ 9.5782, 9.6342,
13.0709

116.0455,
119.7354, 143.6435

■ 5.1803, 5.1571,
7.3461

146.4511,
151.3285, 180.2476

■ 2.3893, 2.3397,
3.5977

181.7518,
188.0410, 222.5951

■ 0.8398, 0.7946,
1.4074

222.3128,

■ 0.0000, 0.0000,

230.2570, 271.1045

0.1475

268.4997,
278.3612, 326.1943

■ 0.0000, 0.0000,
0.0000

■ 36.0666, 36.8678,
46.2896

■ 36.0666, 36.8678,
46.2896

■ 30.2495, 29.5850,
45.1910

■ 42.6893, 45.2120,
47.5517

■ 25.2039, 23.3165,
44.2470

■ 50.1435, 54.6531,
48.9811

■ 20.8982, 18.0185,
43.4514

■ 58.4579, 65.2305,
50.5846

■ 17.2972, 13.6422,
42.7964

■ 67.6588, 76.9805,
52.3676

■ 14.3628, 10.1345,
42.2740

■ 77.7714, 89.9374,
54.3356

■ 12.0534, 7.4370,
41.8751

■ 84.6663, 95.8268,
55.1089

■ 10.3225, 5.4836,
41.5893

■ 84.8366, 95.9146,
55.1169

■ 9.1168, 4.1983,
41.4047

■ 8.3600, 3.4625,
41.3026

Harmonies

Analogous

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



34.8984, 36.8678, 47.0289



36.0666, 36.8678, 46.2896



36.9780, 36.8678, 43.8717

Triad

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



36.0666, 36.8678, 46.2896



36.3207, 36.8678, 34.9392



32.8121, 36.8678, 39.7330

Complementary

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



36.0666, 36.8678, 46.2896



39.5040, 42.6591, 40.3363

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.



33.1743, 36.8678, 36.6313



36.0666, 36.8678, 46.2896



35.1855, 36.8678, 33.9639

Square

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



36.0666, 36.8678, 46.2896



37.1270, 36.8678, 37.3054



34.0365, 36.8678, 34.5657



33.0361, 36.8678, 43.1205

Rectangle

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



36.0666, 36.8678, 46.2896



37.3081, 36.8678, 41.7006



34.0365, 36.8678, 34.5657



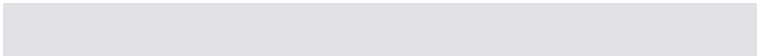
32.8691, 36.8678, 38.6242

Sweetspot

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



36.0677, 36.8694, 46.2904



72.3414, 75.5854, 85.2719



37.8998, 41.1407, 47.0183



15.7067, 16.4174, 18.4854



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.



36.0677, 36.8694, 46.2904



62.9450, 63.7688, 83.4864



37.5237, 37.6200, 46.3586



8.1510, 8.2864, 10.6762



6.0768, 2.4685, 30.2932



0.2264, 0.0958, 0.9548

Inverse Universe

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



38.4662, 38.1285, 45.3787



68.4353, 66.6517, 81.3723



38.0127, 41.8902, 40.2665



8.7969, 8.6255, 10.4287



17.2453, 8.4157, 22.2496



0.5568, 0.2705, 0.7750

Previews

White Background



This preview shows how the XYZ color 36.0666, 36.8678, 46.2896 looks on a white background.

Color Contrast Check

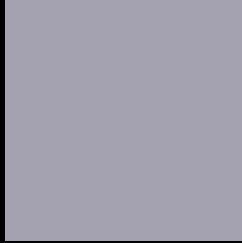
Large Text (above 18pt) WCAG AA × Fail

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 36.0666, 36.8678, 46.2896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

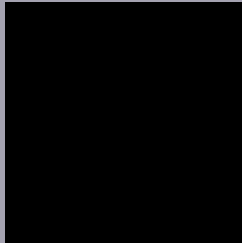
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.0666, 36.8678, 46.2896

Background



This preview shows how black text looks on a background with the XYZ color 36.0666, 36.8678, 46.2896.

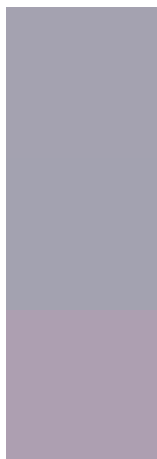


This preview shows how white text looks on a background with the XYZ color 36.0666, 36.8678,

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

36.0666, 36.8678, 46.2896

Protanopia

35.8611, 36.7618, 46.2799

Deuteranopia

37.5675, 36.8548, 46.7286



Tritanopia

35.9680, 36.8283, 45.7703

Trichromacy



Original Color

36.0666, 36.8678, 46.2896

Protanomaly

35.8611, 36.7618, 46.2799

Deuteranomaly

37.0842, 36.8620, 46.7555

Tritanomaly

35.9680, 36.8283, 45.7703

Monochromacy



Original Color

36.0666, 36.8678, 46.2896

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.4749, 36.9141, 42.3012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0666, 36.8678, 46.2896 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, 162, 176) looks like.

```
.text, #text, p{  
    color:rgb(164, 162, 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(164, 162, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 162, 176) }
```

Border

The CSS property to change the border of an element to XYZ 36.0666, 36.8678, 46.2896 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, 162, 176) }
```


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

```
.border{ border-color:rgb(164, 162, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 162, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 162, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 162, 176);  
box-shadow:4px 4px 4px 4px rgb(164, 162,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0666, 36.8678, 46.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 162, 176) }
```

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

```
.background{ background-color: rgb(164,  
162, 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](#).

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