

Converting Colors

XYZ(37.0284, 36.7270, 52.8809)

Have a look what the booklet for
XYZ(37.0284, 36.7270, 52.8809)
contains.

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Color

**XYZ(36.9577, 36.6650,
52.7061)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A0BC
RGB	164, 160, 188
RGB Percent	64%, 63%, 74%
CMY	0.3569, 0.3725, 0.2627
CMYK	0.13, 0.15, 0.00, 0.26
HSL	249°, 17%, 68%
HSV	249°, 15%, 74%
XYZ	36.9577, 36.6650, 52.7061
YIQ	164.3880, -6.6040, 9.5560

Conversions

Conversions Part 2

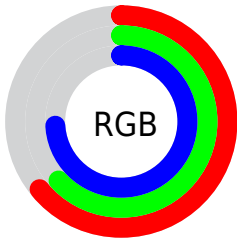
Format	Color
R _Y B	164, 160, 188
Decimal	10789052
CIE Lab	67.02, 7.08, -13.89
CIE LCh	67, 15.588, 297.002
Yxy	36.6650, 0.2926, 0.2902
Android (android.graphics.Color)	4288979132 (0xFFA4A0BC)
YUV	164.3880, 11.6407, -0.3403
Hunter-Lab	60.5516, 2.9822, -9.2218

Details

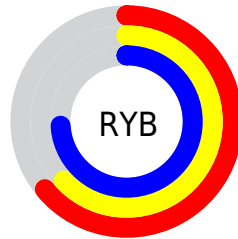
The XYZ color **36.9577, 36.6650, 52.7061** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **44.0970, 48.6959, 40.3346**, and the grayscale version is **35.4208, 37.2655, 40.5821**.

A 20% lighter version of the original color is **69.8430, 70.1926, 95.4554**, and **16.5239, 16.1313, 25.1644** is the 20% darker color. If you saturate the color by 10%, you get **30.8242, 29.0260, 51.5555**, and if you desaturate by 10%, it is **44.0078, 45.5100, 54.0424**.

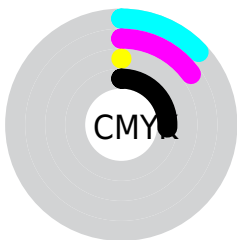
Distribution



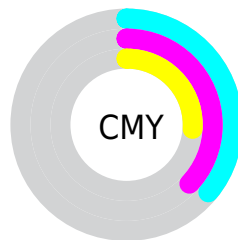
- Red (64%)
- Green (63%)
- Blue (74%)



- Red (64%)
- Yellow (63%)
- Blue (74%)



- Cyan (13%)
- Magenta (15%)
- Yellow (0%)
- Black (26%)



- Cyan (36%)
- Magenta (37%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9577, 36.6650, 52.7061 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 36.9577, 36.6650, 52.7061 by changing the saturation by 10% instead.

■ 36.9577, 36.6650,
52.7061

■ 36.9577, 36.6650,
52.7061

324.4861,
331.8579, 414.1908

■ 25.3483, 24.9482,
37.1821

■ 69.8220, 70.0573,
95.6089

■ 16.4668, 16.0385,
25.0516

■ 91.8075, 92.5015,
123.8248

■ 9.9480, 9.5514,
15.8961

117.9825,
119.2904, 157.1084

■ 5.4265, 5.1025,
9.2971

148.7122,
150.8083, 195.8782

■ 2.5369, 2.3076,
4.8360

184.3621,
187.4396, 240.5528

■ 0.9139, 0.7777,
2.0943

225.2975,

■ 0.0000, 0.0000,

229.5687, 291.5508

0.6124

271.8837,
277.5800, 349.2906

■ 0.0000, 0.0000,
0.0000

■ 36.9577, 36.6650,
52.7061

■ 36.9577, 36.6650,
52.7061

■ 30.8242, 29.0260,
51.5555

■ 44.0078, 45.5100,
54.0424

■ 25.5661, 22.5363,
50.5800

■ 52.0066, 55.6054,
55.5694

■ 21.1442, 17.1412,
49.7717

■ 60.9889, 66.9990,
57.2951

■ 17.5148, 12.7800,
49.1212

■ 70.9867, 79.7348,
59.2265

■ 14.6302, 9.3860,
48.6181

■ 82.0305, 93.8545,
61.3698

■ 12.4376, 6.8844,
48.2508

■ 86.0772, 96.4109,
61.6499

■ 10.8769, 5.1894,
48.0059

■ 9.8771, 4.1980,
47.8672

■ 9.5250, 3.8617,
47.8209

Harmonies

Analogous

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



34.6114, 36.6650, 54.4137



36.9577, 36.6650, 52.7061



38.8095, 36.6650, 47.4543

Triad

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



36.9577, 36.6650, 52.7061



37.3884, 36.6650, 29.9524



30.4963, 36.6650, 39.2437

Complementary

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



36.9577, 36.6650, 52.7061



44.0970, 48.6959, 40.3346

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.



31.1675, 36.6650, 33.2321



36.9577, 36.6650, 52.7061



35.0877, 36.6650, 28.2628

Square

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



36.9577, 36.6650, 52.7061



39.0659, 36.6650, 34.2885



32.8220, 36.6650, 29.3927



30.9470, 36.6650, 46.1409

Rectangle

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



36.9577, 36.6650, 52.7061



39.4772, 36.6650, 42.9277



32.8220, 36.6650, 29.3927



30.5975, 36.6650, 37.0599

Sweetspot

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



36.9588, 36.6665, 52.7069



80.8886, 83.9041, 98.1580



40.7714, 45.4973, 54.2105



17.1722, 17.7631, 21.0661



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



36.9588, 36.6665, 52.7069



63.0158, 61.5000, 94.7756



39.9481, 38.2076, 52.8468



9.1399, 9.2890, 11.9834



6.5238, 2.6492, 32.5604



0.2968, 0.1250, 1.2773

Inverse Universe

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



41.9629, 39.2953, 50.7225



73.9191, 67.2298, 90.3620



40.9648, 47.0812, 40.1880



9.8698, 9.6722, 11.7033



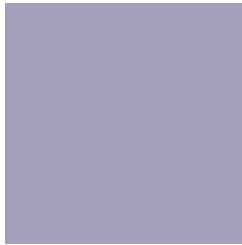
18.5306, 9.0434, 23.8856



0.7421, 0.3608, 1.0214

Previews

White Background



This preview shows how the XYZ color 36.9577, 36.6650, 52.7061 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 36.9577, 36.6650, 52.7061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

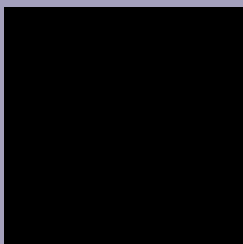
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9577, 36.6650, 52.7061

Background



This preview shows how black text looks on a background with the XYZ color 36.9577, 36.6650, 52.7061.



This preview shows how white text looks on a background with the XYZ color 36.9577, 36.6650,

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

36.9577, 36.6650, 52.7061

Protanopia

36.2062, 36.7839, 53.3358

Deuteranopia

37.4116, 36.6426, 52.6779



Tritanopia

35.5585, 36.6172, 45.7511

Trichromacy



Original Color

36.9577, 36.6650, 52.7061

Protanomaly

36.4274, 36.6374, 53.2959

Deuteranomaly

37.2011, 36.5341, 52.6680

Tritanomaly

36.0873, 36.5716, 48.3370

Monochromacy



Original Color

36.9577, 36.6650, 52.7061

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.9499, 37.1040, 44.8022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9577, 36.6650, 52.7061 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, 160, 188)` looks like.

```
.text, #text, p{  
    color:rgb(164, 160, 188)  
}
```

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, 160, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 160, 188) }
```

Border

The CSS property to change the border of an element to XYZ 36.9577, 36.6650, 52.7061 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, 160, 188) }
```


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

```
.border{ border-color:rgb(164, 160, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 160, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 160, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 160, 188);  
box-shadow:4px 4px 4px 4px rgb(164, 160,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9577, 36.6650, 52.7061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 160, 188) }
```

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

```
.background{ background-color: rgb(164,  
160, 188) }
```

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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