

Converting Colors

XYZ(36.9749, 35.3227, 45.4287)

Have a look what the booklet for
XYZ(36.9749, 35.3227, 45.4287)
contains.

XYZ(36.9727, 35.3203, 45.4263)	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(36.9727, 35.3203,
45.4263)**

Conversions

Conversions Part 1

Format	Color
Hex	AF9AAF
RGB	175, 154, 175
RGB Percent	69%, 60%, 69%
CMY	0.3137, 0.3961, 0.3137
CMYK	0.00, 0.12, 0.00, 0.31
HSL	300°, 12%, 65%
HSV	300°, 12%, 69%
XYZ	36.9727, 35.3203, 45.4263
YIQ	162.6730, 5.7750, 10.9830

Conversions

Conversions Part 2

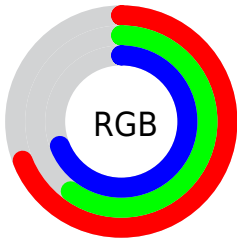
Format	Color
RYB	175, 154, 175
Decimal	11508399
CIELab	66.00, 11.56, -8.07
CIELCh	66, 14.095, 325.074
Yxy	35.3203, 0.3141, 0.3000
Android (android.graphics.Color)	4289698479 (0xFFAF9AAF)
YUV	162.6730, 6.0772, 10.8108
Hunter-Lab	59.4309, 7.0430, -3.7170

Details

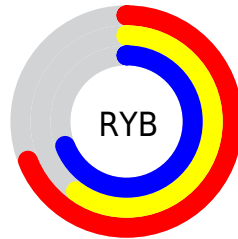
The XYZ color **36.9727, 35.3203, 45.4263** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.4905, 39.8641, 36.4504**, and the grayscale version is **34.6299, 36.4333, 39.6759**.

A 20% lighter version of the original color is **69.9347, 67.8702, 85.0156**, and **16.4514, 15.2681, 20.8189** is the 20% darker color. If you saturate the color by 10%, you get **34.2927, 29.9599, 44.5333**, and if you desaturate by 10%, it is **40.0758, 41.5260, 46.4612**.

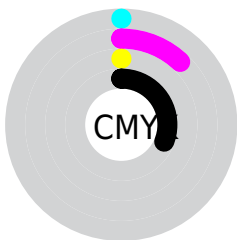
Distribution



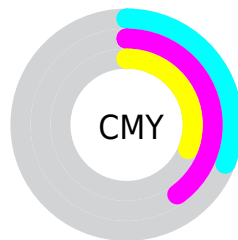
- Red (69%)
- Green (60%)
- Blue (69%)



- Red (69%)
- Yellow (60%)
- Blue (69%)



- Cyan (0%)
- Magenta (12%)
- Yellow (0%)
- Black (31%)



- Cyan (31%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9727, 35.3203, 45.4263 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 36.9727, 35.3203, 45.4263 by changing the saturation by 10% instead.

■ 36.9727, 35.3203,
45.4263

■ 36.9727, 35.3203,
45.4263

324.5499,
325.9799, 384.7077

■ 25.3599, 23.9097,
31.4480

■ 69.8449, 67.9817,
84.6850

■ 16.4756, 15.2667,
20.6789

■ 91.8350, 90.0012,
110.8024

■ 9.9543, 9.0067,
12.7005

118.0150,
116.3259, 141.8032

■ 5.4307, 4.7456,
7.0944

148.7502,
147.3401, 178.1060

■ 2.5394, 2.0988,
3.4418

184.4059,
183.4282, 220.1293

■ 0.9152, 0.6639,
1.3244

225.3475,

■ 0.0000, 0.0000,

224.9746, 268.2917

0.0817

271.9404,
272.3637, 323.0116

■ 0.0000, 0.0000,
0.0000

■ 36.9727, 35.3203,
45.4263

■ 36.9727, 35.3203,
45.4263

■ 34.2927, 29.9599,
44.5333

■ 40.0758, 41.5260,
46.4612

■ 32.0147, 25.4038,
43.7738

■ 43.6160, 48.6064,
47.6414

■ 30.1201, 21.6147,
43.1421

■ 47.6105, 56.5952,
48.9730

■ 28.5880, 18.5504,
42.6313

■ 52.0745, 65.5231,
50.4612

■ 27.3951, 16.1648,
42.2335

■ 57.0225, 75.4192,
52.1106

■ 26.5158, 14.4061,
41.9403

■ 61.1776, 83.7294,
53.4958

■ 25.9205, 13.2157,
41.7417

■ 61.1777, 83.7294,
53.4960

■ 25.5743, 12.5234,
41.6262

■ 61.1777, 83.7294,
53.4961

■ 25.4172, 12.2092,
41.5738

■ 61.1777, 83.7294,
53.4962

Harmonies

Analogous

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



35.3019, 35.3203, 49.8455



36.9727, 35.3203, 45.4263



37.7335, 35.3203, 39.4540

Triad

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



36.9727, 35.3203, 45.4263



33.9170, 35.3203, 28.0984



30.0628, 35.3203, 43.5413

Complementary

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



36.9727, 35.3203, 45.4263



34.4905, 39.8641, 36.4504

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.



29.7262, 35.3203, 37.4785



36.9727, 35.3203, 45.4263



31.8974, 35.3203, 28.9517

Square

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



36.9727, 35.3203, 45.4263



35.9232, 35.3203, 29.7769



30.3844, 35.3203, 32.2411



31.3235, 35.3203, 48.6805

Rectangle

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



36.9727, 35.3203, 45.4263



37.6003, 35.3203, 35.5433



30.3844, 35.3203, 32.2411



29.8401, 35.3203, 41.5274

Sweetspot

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



36.9737, 35.3218, 45.4271



70.5592, 71.9425, 82.8042



32.6214, 33.0781, 45.2235



15.5875, 15.7999, 18.3724



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.



36.9737, 35.3218, 45.4271



65.0757, 60.9756, 80.9761



35.9821, 34.9252, 40.2052



8.3371, 8.1481, 10.0860



18.2018, 8.7433, 29.7718



0.5064, 0.2432, 0.8282

Inverse Universe

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



36.9737, 35.3218, 45.4271



65.0757, 60.9756, 80.9761



35.4038, 40.2294, 41.2595



8.3371, 8.1481, 10.0860



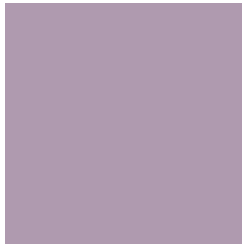
18.2018, 8.7433, 29.7718



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 36.9727, 35.3203, 45.4263 looks on a white background.

Color Contrast Check

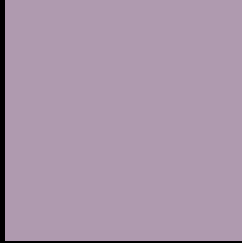
Large Text (above 18pt) WCAG AA × Fail

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 36.9727, 35.3203, 45.4263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

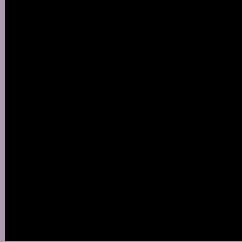
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9727, 35.3203, 45.4263

Background



This preview shows how black text looks on a background with the XYZ color 36.9727, 35.3203, 45.4263.



This preview shows how white text looks on a background with the XYZ color 36.9727, 35.3203,

45.4263.

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

36.9727, 35.3203, 45.4263

Protanopia

34.5346, 35.2797, 47.1090

Deuteranopia

36.2039, 35.4181, 45.4857



Tritanopia

36.1520, 35.2314, 41.4541

Trichromacy



Original Color

36.9727, 35.3203, 45.4263

Protanomaly

35.3026, 35.1808, 46.5249

Deuteranomaly

36.4725, 35.3085, 45.4504

Tritanomaly

36.4326, 35.3436, 42.9320

Monochromacy



Original Color

36.9727, 35.3203, 45.4263

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.4822, 36.1471, 41.6662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9727, 35.3203, 45.4263 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, 154, 175)` looks like.

```
.text, #text, p{  
    color:rgb(175, 154, 175)  
}
```

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, 154, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 154, 175) }
```

Border

The CSS property to change the border of an element to XYZ 36.9727, 35.3203, 45.4263 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, 154, 175) }
```


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

```
.border{ border-color:rgb(175, 154, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 154, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 154, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 154, 175);  
box-shadow:4px 4px 4px 4px rgb(175, 154,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9727, 35.3203, 45.4263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 154, 175) }
```

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

```
.background{ background-color: rgb(175,  
154, 175) }
```

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