

Converting Colors

XYZ(34.7113, 36.4659, 49.4655)

Have a look what the booklet for
XYZ(34.7113, 36.4659, 49.4655)
contains.

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Color

**XYZ(34.6776, 36.3441,
49.4434)**

Conversions

Conversions Part 1

Format	Color
Hex	99A3B6
RGB	153, 163, 182
RGB Percent	60%, 64%, 71%
CMY	0.4000, 0.3608, 0.2863
CMYK	0.16, 0.10, 0.00, 0.29
HSL	219°, 17%, 66%
HSV	219°, 16%, 71%
XYZ	34.6776, 36.3441, 49.4434
YIQ	162.1760, -12.0590, 3.7890

Conversions

Conversions Part 2

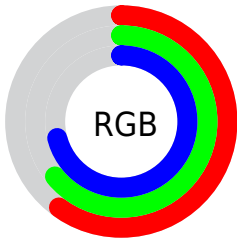
Format	Color
R_{YB}	153, 160, 182
Decimal	10068918
CIE Lab	66.78, 0.46, -11.00
CIE LCh	67, 11.008, 272.392
Yxy	36.3441, 0.2879, 0.3017
Android (android.graphics.Color)	4288258998 (0xFF99A3B6)
YUV	162.1760, 9.7732, -8.0474
Hunter-Lab	60.2861, -2.8243, -6.4262

Details

The XYZ color **34.6776, 36.3441, 49.4434** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.7940, 41.7501, 36.0991**, and the grayscale version is **34.3857, 36.1764, 39.3961**.

A 20% lighter version of the original color is **66.5164, 69.7258, 90.8415**, and **15.1264, 15.7786, 23.0172** is the 20% darker color. If you saturate the color by 10%, you get **29.4830, 30.6711, 48.6228**, and if you desaturate by 10%, it is **40.5980, 42.6895, 50.3567**.

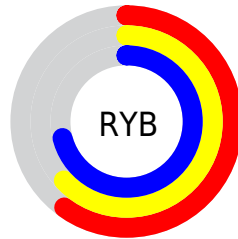
Distribution



Red (60%)

Green (64%)

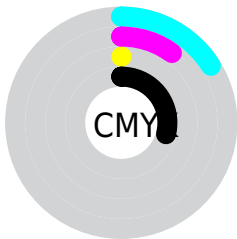
Blue (71%)



Red (60%)

Yellow (63%)

Blue (71%)

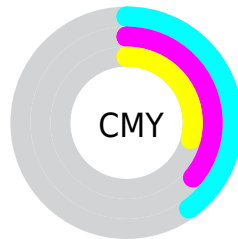


Cyan (16%)

Magenta (10%)

Yellow (0%)

Black (29%)



Cyan (40%)

Magenta (36%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6776, 36.3441, 49.4434 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 34.6776, 36.3441, 49.4434 by changing the saturation by 10% instead.

■ 34.6776, 36.3441,
49.4434

■ 34.6776, 36.3441,
49.4434

314.6760,
330.4620, 401.1578

■ 23.5800, 24.7001,
34.6033

■ 66.3233, 69.5628,
90.7374

■ 15.1454, 15.8537,
23.0763

■ 87.6022, 91.9063,
118.0284

■ 9.0085, 9.4207,
14.4440

113.0054,
118.5851, 150.3068

■ 4.8039, 5.0166,
8.2879

142.8985,
149.9836, 187.9910

■ 2.1662, 2.2570,
4.1893

177.6468,
186.4861, 231.4997

■ 0.7248, 0.7508,
1.7298

217.6155,

■ 0.0000, 0.0000,

228.4771, 281.2514

0.3810

263.1701,
276.3409, 337.6646

■ 0.0000, 0.0000,
0.0000

■ 34.6776, 36.3441,
49.4434

■ 34.6776, 36.3441,
49.4434

■ 29.4830, 30.6711,
48.6228

■ 40.5980, 42.6895,
50.3567

■ 24.9818, 25.6427,
47.8894

■ 47.2682, 49.7247,
51.3631

■ 21.1438, 21.2359,
47.2411

■ 54.7155, 57.4721,
52.4660

■ 17.9352, 17.4243,
46.6745

■ 62.9645, 65.9518,
53.6680

■ 15.3193, 14.1796,
46.1861

■ 72.0387, 75.1829,
54.9715

■ 13.2548, 11.4705,
45.7720

■ 79.2609, 83.7921,
56.2526

■ 11.6948, 9.2624,
45.4280

■ 82.7809, 90.8321,
57.4259

■ 10.5804, 7.5135,
45.1492

■ 85.4436, 96.1574,
58.3135

■ 10.2085, 6.9071,
45.0517

Harmonies

Analogous

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



33.0835, 36.3441, 48.2530



34.6776, 36.3441, 49.4434



36.2851, 36.3441, 47.8181

Triad

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



34.6776, 36.3441, 49.4434



37.3144, 36.3441, 34.8675



31.7878, 36.3441, 35.4794

Complementary

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



34.6776, 36.3441, 49.4434



39.7940, 41.7501, 36.0991

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.



32.8595, 36.3441, 32.3339



34.6776, 36.3441, 49.4434



36.0468, 36.3441, 32.0010

Square

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



34.6776, 36.3441, 49.4434



37.8376, 36.3441, 39.1916



34.4107, 36.3441, 31.1115



31.4472, 36.3441, 39.9560

Rectangle

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



34.6776, 36.3441, 49.4434



37.1390, 36.3441, 45.4270



34.4107, 36.3441, 31.1115



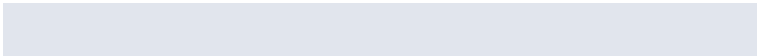
32.0727, 36.3441, 34.2440

Sweetspot

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



34.6787, 36.3456, 49.4442



74.5757, 78.4281, 91.4433



37.2976, 43.2017, 45.3279



16.2939, 17.1338, 20.1700



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



34.6787, 36.3456, 49.4442



59.5356, 62.2740, 89.1179



33.8086, 33.3641, 48.9146



8.7676, 9.2124, 11.3955



7.2655, 4.9908, 31.8335



0.3152, 0.2941, 1.1419

Inverse Universe

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



37.2944, 35.3728, 39.5140



65.1848, 60.3058, 67.6419



40.7583, 45.1801, 36.7103



9.1290, 9.0620, 10.0270



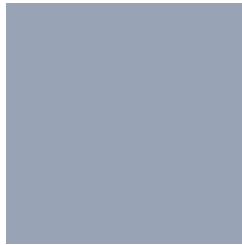
14.2810, 7.2862, 4.1005



0.5333, 0.2688, 0.3016

Previews

White Background



This preview shows how the XYZ color 34.6776, 36.3441, 49.4434 looks on a white background.

Color Contrast Check

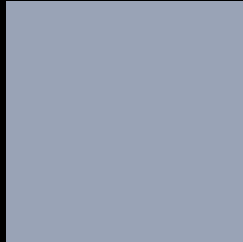
Large Text (above 18pt) WCAG AA × Fail

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 34.6776, 36.3441, 49.4434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

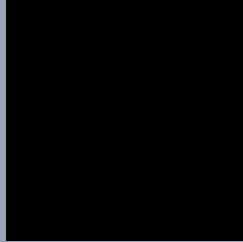
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

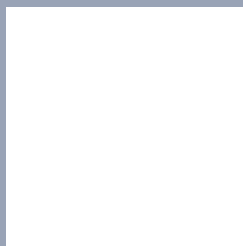
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6776, 36.3441, 49.4434

Background



This preview shows how black text looks on a background with the XYZ color 34.6776, 36.3441, 49.4434.



This preview shows how white text looks on a background with the XYZ color 34.6776, 36.3441,

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

34.6776, 36.3441, 49.4434

Protanopia

35.5826, 36.2995, 48.8472

Deuteranopia

36.9226, 36.1974, 49.8405



Tritanopia

34.1602, 36.4006, 46.8206

Trichromacy



Original Color

34.6776, 36.3441, 49.4434

Protanomaly

35.1654, 36.3450, 48.8779

Deuteranomaly

36.2223, 36.3470, 49.9063

Tritanomaly

34.3610, 36.4810, 47.8783

Monochromacy



Original Color

34.6776, 36.3441, 49.4434

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.3798, 36.0762, 42.6875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6776, 36.3441, 49.4434 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(153, 163, 182)` looks like.

```
.text, #text, p{  
    color:rgb(153, 163, 182)  
}
```

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(153, 163, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 163, 182) }
```

Border

The CSS property to change the border of an element to XYZ 34.6776, 36.3441, 49.4434 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(153, 163, 182) }
```


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

```
.border{ border-color:rgb(153, 163, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 163, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 163, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 163, 182);  
box-shadow:4px 4px 4px 4px rgb(153, 163,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6776, 36.3441, 49.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 163, 182) }
```

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

```
.background{ background-color: rgb(153,  
163, 182) }
```

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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