

Converting Colors

XYZ(34.7632, 35.3808, 47.0160)

Have a look what the booklet for
XYZ(34.7632, 35.3808, 47.0160)
contains.

XYZ(34.7321, 35.3816, 47.1182)	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(34.7321, 35.3816,
47.1182)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9FB2
RGB	159, 159, 178
RGB Percent	62%, 62%, 70%
CMY	0.3765, 0.3765, 0.3020
CMYK	0.11, 0.11, 0.00, 0.30
HSL	240°, 11%, 66%
HSV	240°, 11%, 70%
XYZ	34.7321, 35.3816, 47.1182
YIQ	161.1660, -6.0990, 5.9090

Conversions

Conversions Part 2

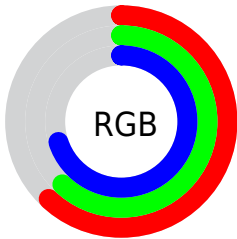
Format	Color
R_{YB}	159, 159, 178
Decimal	10461106
CIE Lab	66.04, 3.82, -9.82
CIE LCh	66, 10.539, 291.279
Yxy	35.3816, 0.2963, 0.3018
Android (android.graphics.Color)	4288651186 (0xFF9F9FB2)
YUV	161.1660, 8.2992, -1.8996
Hunter-Lab	59.4824, 0.1328, -5.3281

Details

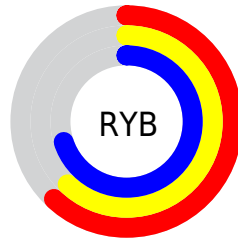
The XYZ color **34.7321, 35.3816, 47.1182** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.5386, 43.8086, 39.1208**, and the grayscale version is **33.9190, 35.6854, 38.8614**.

A 20% lighter version of the original color is **66.6294, 68.3298, 87.5191**, and **15.1276, 15.3316, 21.5640** is the 20% darker color. If you saturate the color by 10%, you get **28.6101, 28.0054, 46.0177**, and if you desaturate by 10%, it is **41.8053, 43.9042, 48.3910**.

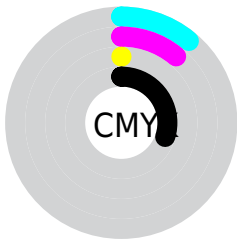
Distribution



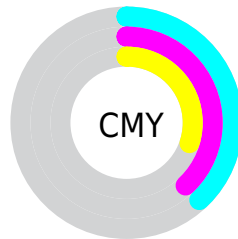
- Red (62%)
- Green (62%)
- Blue (70%)



- Red (62%)
- Yellow (62%)
- Blue (70%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (30%)



- Cyan (38%)
- Magenta (38%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7321, 35.3816, 47.1182 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 34.7321, 35.3816, 47.1182 by changing the saturation by 10% instead.

■ 34.7321, 35.3816,
47.1182

■ 34.7321, 35.3816,
47.1182

314.9130,
326.2495, 391.6936

■ 23.6221, 23.9570,
32.7741

■ 66.4073, 68.0765,
87.2419

■ 15.1768, 15.3017,
21.6837

■ 87.7032, 90.1156,
113.8585

■ 9.0307, 9.0314,
13.4286

113.1252,
116.4616, 145.4030

■ 4.8185, 4.7617,
7.5902

143.0386,
147.4989, 182.2941

■ 2.1748, 2.1081,
3.7499

177.8087,
183.6120, 224.9501

■ 0.7294, 0.6692,
1.4891

217.8009,

■ 0.0000, 0.0000,

225.1852, 273.7896

0.2098

263.3806,
272.6029, 329.2313

■ 0.0000, 0.0000,
0.0000

■ 34.7321, 35.3816,
47.1182

■ 34.7321, 35.3816,
47.1182

■ 28.6101, 28.0054,
46.0177

■ 41.8053, 43.9042,
48.3910

■ 23.3956, 21.7224,
45.0798

■ 49.8644, 53.6145,
49.8405

■ 19.0465, 16.4821,
44.2975

■ 58.9463, 64.5571,
51.4740

■ 15.5160, 12.2281,
43.6625

■ 69.0851, 76.7731,
53.2975

■ 12.7529, 8.8987,
43.1655

■ 80.3133, 90.3017,
55.3170

■ 10.7002, 6.4252,
42.7962

■ 85.0360, 95.9944,
56.1669

■ 9.2930, 4.7295,
42.5431

■ 8.4547, 3.7192,
42.3923

■ 8.0362, 3.2149,
42.3170

Harmonies

Analogous

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



33.1753, 35.3816, 47.6779



34.7321, 35.3816, 47.1182



36.0299, 35.3816, 44.1658

Triad

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



34.7321, 35.3816, 47.1182



35.5452, 35.3816, 32.1894



30.7440, 35.3816, 37.2336

Complementary

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



34.7321, 35.3816, 47.1182



40.5386, 43.8086, 39.1208

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.



31.3375, 35.3816, 33.3854



34.7321, 35.3816, 47.1182



34.0871, 35.3816, 30.6248

Square

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



34.7321, 35.3816, 47.1182



36.5093, 35.3816, 35.4834



32.5498, 35.3816, 31.0450



30.9046, 35.3816, 41.7346

Rectangle

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



34.7321, 35.3816, 47.1182



36.5578, 35.3816, 41.3549



32.5498, 35.3816, 31.0450



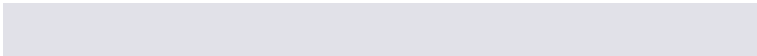
30.8612, 35.3816, 35.8263

Sweetspot

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



34.7332, 35.3831, 47.1190



72.6009, 75.7496, 87.1758



38.2232, 42.4139, 48.1256



15.8498, 16.4993, 19.2716



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



34.7332, 35.3831, 47.1190



59.9923, 60.5576, 84.9080



36.6221, 36.3563, 47.2073



8.0421, 8.2303, 10.6711



5.7500, 2.3003, 30.2779



0.1809, 0.0724, 0.9527

Inverse Universe

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



37.0171, 36.7652, 37.9480



65.0355, 63.6095, 64.6573



38.5019, 42.7593, 39.0257



8.4964, 8.5053, 8.8466



13.1370, 6.7723, 0.6154



0.4134, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 34.7321, 35.3816, 47.1182 looks on a white background.

Color Contrast Check

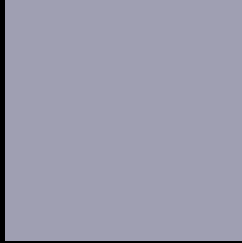
Large Text (above 18pt) WCAG AA × Fail

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 34.7321, 35.3816, 47.1182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

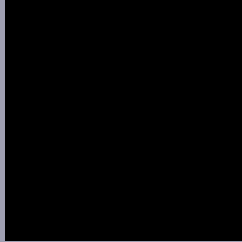
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7321, 35.3816, 47.1182

Background



This preview shows how black text looks on a background with the XYZ color 34.7321, 35.3816, 47.1182.



This preview shows how white text looks on a background with the XYZ color 34.7321, 35.3816,

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

34.7321, 35.3816, 47.1182

Protanopia

34.5346, 35.2797, 47.1090

Deuteranopia

36.1736, 35.3564, 47.5657



Tritanopia

34.2142, 35.4278, 44.5701

Trichromacy



Original Color

34.7321, 35.3816, 47.1182

Protanomaly

34.5346, 35.2797, 47.1090

Deuteranomaly

35.7107, 35.3679, 47.5924

Tritanomaly

34.4092, 35.5059, 45.5972

Monochromacy



Original Color

34.7321, 35.3816, 47.1182

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.0431, 35.4052, 41.5988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7321, 35.3816, 47.1182 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(159, 159, 178)` looks like.

```
.text, #text, p{  
    color:rgb(159, 159, 178)  
}
```

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(159, 159, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 178) }
```

Border

The CSS property to change the border of an element to XYZ 34.7321, 35.3816, 47.1182 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(159, 159, 178) }
```


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

```
.border{ border-color:rgb(159, 159, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 159, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 159, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 159, 178);  
box-shadow:4px 4px 4px 4px rgb(159, 159,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7321, 35.3816, 47.1182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 159, 178) }
```

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

```
.background{ background-color: rgb(159,  
159, 178) }
```

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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