

Converting Colors

XYZ(33.0189, 35.6043, 47.4085)

Have a look what the booklet for
XYZ(33.0189, 35.6043, 47.4085)
contains.

XYZ(32.9871, 35.5197, 47.2369)	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(32.9871, 35.5197,
47.2369)**

Conversions

Conversions Part 1

Format	Color
Hex	92A3B2
RGB	146, 163, 178
RGB Percent	57%, 64%, 70%
CMY	0.4274, 0.3608, 0.3020
CMYK	0.18, 0.08, 0.00, 0.30
HSL	208°, 17%, 64%
HSV	208°, 18%, 70%
XYZ	32.9871, 35.5197, 47.2369
YIQ	159.6270, -14.9470, 1.0610

Conversions

Conversions Part 2

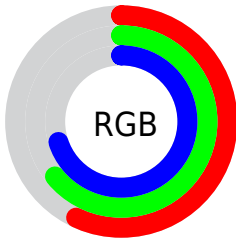
Format	Color
RYB	146, 157, 178
Decimal	9610162
CIELab	66.15, -2.72, -9.76
CIELCh	66, 10.137, 254.408
Yxy	35.5197, 0.2850, 0.3069
Android (android.graphics.Color)	4287800242 (0xFF92A3B2)
YUV	159.6270, 9.0579, -11.9509
Hunter-Lab	59.5984, -5.4993, -5.2736

Details

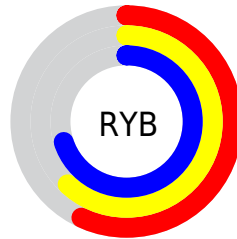
The XYZ color **32.9871, 35.5197, 47.2369** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.2936, 37.0300, 32.4294**, and the grayscale version is **33.2074, 34.9368, 38.0462**.

A 20% lighter version of the original color is **63.7421, 68.3627, 87.6777**, and **14.1054, 15.2824, 21.6084** is the 20% darker color. If you saturate the color by 10%, you get **28.6334, 31.1492, 46.6233**, and if you desaturate by 10%, it is **37.9333, 40.3426, 47.9077**.

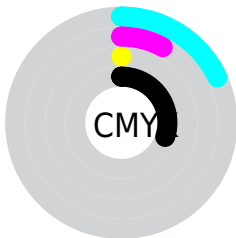
Distribution



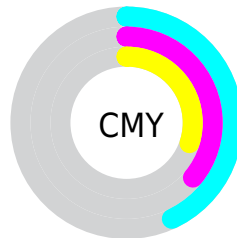
- Red (57%)
- Green (64%)
- Blue (70%)



- Red (57%)
- Yellow (62%)
- Blue (70%)



- Cyan (18%)
- Magenta (8%)
- Yellow (0%)
- Black (30%)



- Cyan (43%)
- Magenta (36%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9871, 35.5197, 47.2369 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 32.9871, 35.5197, 47.2369 by changing the saturation by 10% instead.

■ 32.9871, 35.5197,
47.2369

■ 32.9871, 35.5197,
47.2369

307.2576,
326.8563, 392.1804

■ 22.2758, 24.0635,
32.8673

■ 63.7102, 68.2901,
87.4208

■ 14.1774, 15.3807,
21.7545

■ 84.4527, 90.3730,
114.0722

■ 8.3267, 9.0870,
13.4800

109.2695,
116.7670, 145.6546

■ 4.3582, 4.7980,
7.6253

138.5262,
147.8565, 182.5865

■ 1.9067, 2.1292,
3.7718

172.5880,
184.0257, 225.2865

■ 0.5807, 0.6810,
1.5010

211.8202,

■ 0.0000, 0.0000,

225.6592, 274.1731

0.2187

256.5883,
273.1413, 329.6649

■ 0.0000, 0.0000,
0.0000

■ 32.9871, 35.5197,
47.2369

■ 32.9871, 35.5197,
47.2369

■ 28.6334, 31.1492,
46.6233

■ 37.9333, 40.3426,
47.9077

■ 24.8445, 27.2112,
46.0629

■ 43.4920, 45.6281,
48.6349

■ 21.5949, 23.6907,
45.5547

■ 49.6859, 51.3914,
49.4209

■ 18.8560, 20.5700,
45.0967

■ 56.5358, 57.6459,
50.2671

■ 16.5961, 17.8297,
44.6869

■ 64.0613, 64.4042,
51.1749

■ 14.7796, 15.4482,
44.3229

■ 72.2813, 71.6783,
52.1458

■ 13.3652, 13.4011,
44.0023

■ 75.2387, 76.3998,
52.9012

■ 12.2879, 11.6513,
43.7214

■ 77.5018, 80.9260,
53.6556

■ 12.0900, 11.3224,
43.6683

■ 79.8760, 85.6743,
54.4470

Harmonies

Analogous

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



31.7313, 35.5197, 44.7813



32.9871, 35.5197, 47.2369



34.4870, 35.5197, 47.2876

Triad

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



32.9871, 35.5197, 47.2369



36.6472, 35.5197, 36.6453



31.7719, 35.5197, 33.0412

Complementary

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



32.9871, 35.5197, 47.2369



36.2936, 37.0300, 32.4294

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.



33.0441, 35.5197, 31.1771



32.9871, 35.5197, 47.2369



35.8743, 35.5197, 33.1505

Square

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



32.9871, 35.5197, 47.2369



36.6308, 35.5197, 40.9499



34.5457, 35.5197, 31.2156



31.0440, 35.5197, 36.4857

Rectangle

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



32.9871, 35.5197, 47.2369



35.4254, 35.5197, 45.9381



34.5457, 35.5197, 31.2156



32.1484, 35.5197, 32.2208

Sweetspot

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



32.9882, 35.5212, 47.2377



71.5865, 75.8408, 87.2469



34.2022, 40.5233, 39.7072



15.7091, 16.6582, 19.3096



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.



32.9882, 35.5212, 47.2377



56.2143, 60.8245, 85.1587



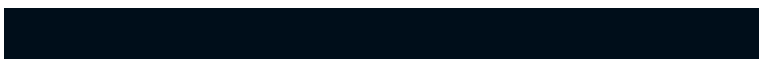
30.3347, 30.2142, 46.3532



8.4032, 8.9527, 10.7915



8.7139, 8.2281, 31.2659



0.3319, 0.3744, 1.0030

Inverse Universe

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



35.2507, 32.6679, 39.0996



61.2189, 54.7716, 67.0994



39.2580, 42.9589, 33.4176



8.6787, 8.5782, 9.8066



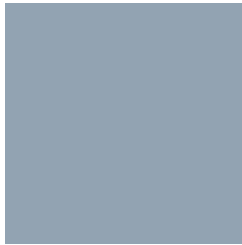
14.6330, 7.3708, 8.4934



0.4896, 0.2436, 0.4208

Previews

White Background



This preview shows how the XYZ color 32.9871, 35.5197, 47.2369 looks on a white background.

Color Contrast Check

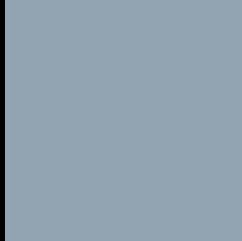
Large Text (above 18pt) WCAG AA × Fail

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 32.9871, 35.5197, 47.2369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

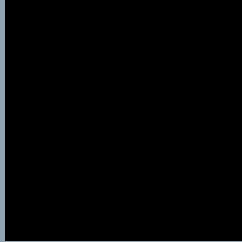
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9871, 35.5197, 47.2369

Background



This preview shows how black text looks on a background with the XYZ color 32.9871, 35.5197, 47.2369.



This preview shows how white text looks on a background with the XYZ color 32.9871, 35.5197,

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

32.9871, 35.5197, 47.2369

Protanopia

34.5327, 35.3018, 46.0682

Deuteranopia

35.9615, 35.2471, 47.5558



Tritanopia

32.7877, 35.4400, 46.1868

Trichromacy



Original Color

32.9871, 35.5197, 47.2369

Protanomaly

33.8330, 35.1860, 46.6033

Deuteranomaly

34.8329, 35.4219, 47.6490

Tritanomaly

32.8871, 35.4797, 46.7099

Monochromacy



Original Color

32.9871, 35.5197, 47.2369

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.2375, 35.2483, 41.6110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9871, 35.5197, 47.2369 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(146, 163, 178) looks like.

```
.text, #text, p{  
    color:rgb(146, 163, 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(146, 163, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 163, 178) }
```

Border

The CSS property to change the border of an element to XYZ 32.9871, 35.5197, 47.2369 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(146, 163, 178) }
```


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

```
.border{ border-color:rgb(146, 163, 178) }
```

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

Here you see how a box with a 4 pixel rgb(146, 163, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 163, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 163, 178);  
box-shadow:4px 4px 4px 4px rgb(146, 163,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9871, 35.5197, 47.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 163, 178) }
```

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

```
.background{ background-color: rgb(146,  
163, 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](#).

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