

Converting Colors

XYZ(33.3367, 36.6390, 45.0726)

Have a look what the booklet for
XYZ(33.3367, 36.6390, 45.0726)
contains.

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Color

**XYZ(33.2117, 36.4926,
44.8285)**

Conversions

Conversions Part 1

Format	Color
Hex	93A6AD
RGB	147, 166, 173
RGB Percent	58%, 65%, 68%
CMY	0.4235, 0.3490, 0.3216
CMYK	0.15, 0.04, 0.00, 0.32
HSL	196°, 14%, 63%
HSV	196°, 15%, 68%
XYZ	33.2117, 36.4926, 44.8285
YIQ	161.1170, -13.5710, -1.8510

Conversions

Conversions Part 2

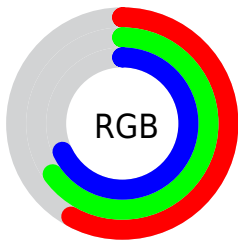
Format	Color
R_{YB}	147, 158, 173
Decimal	9676461
CIE Lab	66.89, -5.13, -5.86
CIE LCh	67, 7.793, 228.804
Yxy	36.4926, 0.2900, 0.3186
Android (android.graphics.Color)	4287866541 (0xFF93A6AD)
YUV	161.1170, 5.8583, -12.3806
Hunter-Lab	60.4091, -7.5803, -1.7117

Details

The XYZ color **33.2117, 36.4926, 44.8285** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.0560, 34.1021, 32.3920**, and the grayscale version is **33.9097, 35.6756, 38.8507**.

A 20% lighter version of the original color is **63.9474, 69.7318, 83.4880**, and **14.2924, 15.9019, 20.4052** is the 20% darker color. If you saturate the color by 10%, you get **29.5088, 33.3507, 44.4178**, and if you desaturate by 10%, it is **37.4139, 39.9393, 45.2729**.

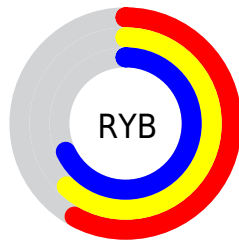
Distribution



Red (58%)

Green (65%)

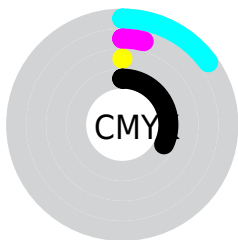
Blue (68%)



Red (58%)

Yellow (62%)

Blue (68%)

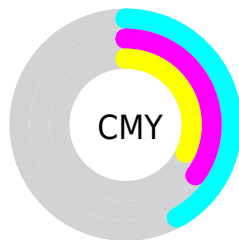


Cyan (15%)

Magenta (4%)

Yellow (0%)

Black (32%)



Cyan (42%)

Magenta (35%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2117, 36.4926, 44.8285 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 33.2117, 36.4926, 44.8285 by changing the saturation by 10% instead.

■ 33.2117, 36.4926,
44.8285

■ 33.2117, 36.4926,
44.8285

308.2507,
331.1085, 382.2184

■ 22.4487, 24.8149,
30.9804

■ 64.0584, 69.7917,
83.7787

■ 14.3054, 15.9392,
20.3256

■ 84.8727, 92.1819,
109.7179

■ 8.4165, 9.4811,
12.4455

109.7683,
118.9117, 140.5246

■ 4.4166, 5.0563,
6.9216

139.1103,
150.3655, 176.6172

■ 1.9404, 2.2803,
3.3354

173.2642,
186.9276, 218.4143

■ 0.6002, 0.7633,
1.2684

212.5954,

■ 0.0000, 0.0000,

228.9826, 266.3346

0.0356

257.4691,
276.9148, 320.7964

■ 0.0000, 0.0000,
0.0000

■ 33.2117, 36.4926,
44.8285

■ 33.2117, 36.4926,
44.8285

■ 29.5088, 33.3507,
44.4178

■ 37.4139, 39.9393,
45.2729

■ 26.2810, 30.4978,
44.0373

■ 42.1321, 43.6970,
45.7495

■ 23.5067, 27.9232,
43.6865

■ 47.3859, 47.7773,
46.2602

■ 21.1612, 25.6138,
43.3644

■ 53.1931, 52.1897,
46.8058

■ 19.2176, 23.5551,
43.0695

■ 59.5705, 56.9435,
47.3872

■ 17.6456, 21.7309,
42.8002

■ 66.5343, 62.0472,
48.0053

■ 16.4101, 20.1229,
42.5549

■ 69.1139, 64.9391,
48.4276

■ 15.4684, 18.7082,
42.3315

■ 70.1989, 67.1091,
48.7892

■ 15.0599, 18.0512,
42.2262

■ 71.3169, 69.3452,
49.1619

Harmonies

Analogous

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



32.5808, 36.4926, 41.8664



33.2117, 36.4926, 44.8285



34.2463, 36.4926, 46.4575

Triad

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



33.2117, 36.4926, 44.8285



36.9594, 36.4926, 41.0097



33.9587, 36.4926, 33.8935

Complementary

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



33.2117, 36.4926, 44.8285



34.0560, 34.1021, 32.3920

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.



35.1276, 36.4926, 33.6931



33.2117, 36.4926, 44.8285



36.8782, 36.4926, 37.6757

Square

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



33.2117, 36.4926, 44.8285



36.4210, 36.4926, 44.1708



36.2015, 36.4926, 35.0413



33.0053, 36.4926, 35.6052

Rectangle

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



33.2117, 36.4926, 44.8285



35.0337, 36.4926, 46.5098



36.2015, 36.4926, 35.0413



34.3389, 36.4926, 33.6509

Sweetspot

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



33.2128, 36.4941, 44.8293



66.9586, 71.4905, 81.0757



32.8041, 38.4217, 36.2307



14.4345, 15.4418, 17.6075



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.2128, 36.4941, 44.8293



57.2054, 63.4497, 80.0377



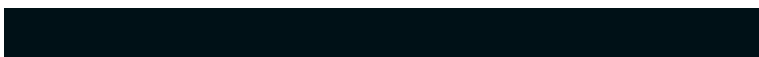
30.9784, 32.0253, 44.0845



8.0513, 8.7019, 10.2080



11.1126, 13.3590, 31.0374



0.3511, 0.4556, 0.8774

Inverse Universe

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



34.5511, 32.5057, 40.5313



60.0842, 55.0266, 70.7575



36.3072, 38.6045, 33.1424



8.2437, 8.1107, 9.5940



15.4728, 7.6516, 15.4009



0.4516, 0.2213, 0.5400

Previews

White Background



This preview shows how the XYZ color 33.2117, 36.4926, 44.8285 looks on a white background.

Color Contrast Check

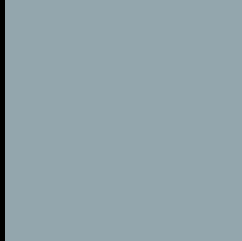
Large Text (above 18pt) WCAG AA × Fail

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 33.2117, 36.4926, 44.8285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

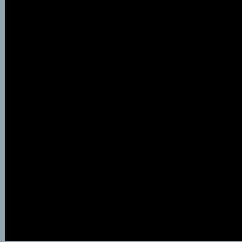
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

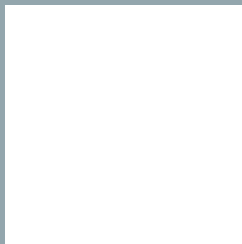
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2117, 36.4926, 44.8285

Background



This preview shows how black text looks on a background with the XYZ color 33.2117, 36.4926, 44.8285.



This preview shows how white text looks on a background with the XYZ color 33.2117, 36.4926,

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

33.2117, 36.4926, 44.8285

Protanopia

35.2803, 36.5295, 43.2216

Deuteranopia

37.1983, 36.4331, 45.6292



Tritanopia

33.7038, 36.4205, 47.3730

Trichromacy



Original Color

33.2117, 36.4926, 44.8285

Protanomaly

34.3525, 36.3028, 43.7246

Deuteranomaly

35.6947, 36.4382, 45.1964

Tritanomaly

33.5043, 36.3408, 46.3229

Monochromacy



Original Color

33.2117, 36.4926, 44.8285

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.5990, 35.9789, 40.7711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2117, 36.4926, 44.8285 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(147, 166, 173) looks like.

```
.text, #text, p{  
    color:rgb(147, 166, 173)  
}
```

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(147, 166, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 166, 173) }
```

Border

The CSS property to change the border of an element to XYZ 33.2117, 36.4926, 44.8285 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(147, 166, 173) }
```


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

```
.border{ border-color:rgb(147, 166, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 166, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 166, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 166, 173);  
box-shadow:4px 4px 4px 4px rgb(147, 166,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2117, 36.4926, 44.8285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 166, 173) }
```

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

```
.background{ background-color: rgb(147,  
166, 173) }
```

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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