

Converting Colors

XYZ(30.9785, 34.1167, 49.6591)

Have a look what the booklet for
XYZ(30.9785, 34.1167, 49.6591)
contains.

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Color

**XYZ(30.9833, 34.1651,
49.7613)**

Conversions

Conversions Part 1

Format	Color
Hex	84A2B7
RGB	132, 162, 183
RGB Percent	52%, 64%, 72%
CMY	0.4823, 0.3647, 0.2823
CMYK	0.28, 0.11, 0.00, 0.28
HSL	205°, 26%, 62%
HSV	205°, 28%, 72%
XYZ	30.9833, 34.1651, 49.7613
YIQ	155.4240, -24.6210, 0.1710

Conversions

Conversions Part 2

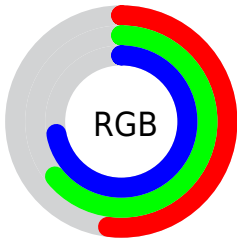
Format	Color
RYB	132, 151, 183
Decimal	8692407
CIELab	65.09, -5.43, -14.24
CIElCh	65, 15.238, 249.130
Yxy	34.1651, 0.2696, 0.2973
Android (android.graphics.Color)	4286882487 (0xFF84A2B7)
YUV	155.4240, 13.5950, -20.5428
Hunter-Lab	58.4509, -7.6709, -9.5600

Details

The XYZ color **30.9833, 34.1651, 49.7613** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.0850, 34.5160, 26.6437**, and the grayscale version is **31.2938, 32.9236, 35.8537**.

A 20% lighter version of the original color is **60.6425, 66.2968, 91.2617**, and **12.9985, 14.5129, 23.2353** is the 20% darker color. If you saturate the color by 10%, you get **27.0812, 30.2426, 49.2104**, and if you desaturate by 10%, it is **35.4690, 38.5082, 50.3638**.

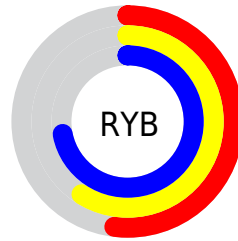
Distribution



Red (52%)

Green (64%)

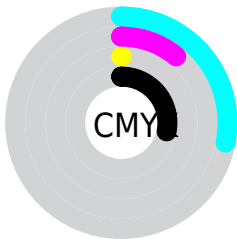
Blue (72%)



Red (52%)

Yellow (59%)

Blue (72%)

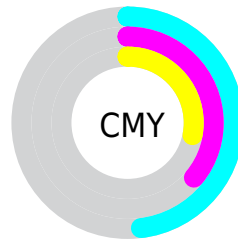


Cyan (28%)

Magenta (11%)

Yellow (0%)

Black (28%)



Cyan (48%)

Magenta (36%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9833, 34.1651, 49.7613 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 30.9833, 34.1651, 49.7613 by changing the saturation by 10% instead.

■ 30.9833, 34.1651,
49.7613

■ 30.9833, 34.1651,
49.7613

298.2896,
320.8676, 402.4400

■ 20.7379, 23.0205,
34.8539

■ 60.5898, 66.1903,
91.2138

■ 13.0439, 14.6086,
23.2677

■ 80.6816, 87.8397,
118.5959

■ 7.5360, 8.5452,
14.5842

■ 104.7863,
113.7595, 150.9734

■ 3.8488, 4.4457,
8.3847

133.2691,
144.3340, 188.7648

■ 1.6170, 1.9259,
4.2508

166.4955,
179.9477, 232.3887

■ 0.4034, 0.5639,
1.7639

204.8308,

■ 0.0000, 0.0000,

220.9849, 282.2634

0.4040

248.6404,
267.8301, 338.8077

■ 0.0000, 0.0000,
0.0000

■ 30.9833, 34.1651,
49.7613

■ 30.9833, 34.1651,
49.7613

■ 27.0812, 30.2426,
49.2104

■ 35.4690, 38.5082,
50.3638

■ 23.7320, 26.7203,
48.7071

■ 40.5609, 43.2831,
51.0170

■ 20.9067, 23.5820,
48.2502

■ 46.2840, 48.5054,
51.7234

■ 18.5721, 20.8084,
47.8379

■ 52.6611, 54.1887,
52.4843

■ 16.6911, 18.3782,
47.4680

■ 59.7135, 60.3460,
53.3011

■ 15.2201, 16.2666,
47.1379

■ 67.4619, 66.9897,
54.1750

■ 14.0926, 14.4369,
46.8442

■ 74.0233, 73.1509,
55.0184

■ 13.8734, 14.0711,
46.7851

■ 75.9834, 77.0711,
55.6718

■ 78.0330, 81.1703,
56.3550

Harmonies

Analogous

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



29.2887, 34.1651, 45.4156



30.9833, 34.1651, 49.7613



33.1514, 34.1651, 50.5472

Triad

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



30.9833, 34.1651, 49.7613



36.8490, 34.1651, 35.3033



29.8659, 34.1651, 28.5403

Complementary

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



30.9833, 34.1651, 49.7613



35.0850, 34.5160, 26.6437

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.



31.8037, 34.1651, 26.4372



30.9833, 34.1651, 49.7613



35.8800, 34.1651, 30.0402

Square

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



30.9833, 34.1651, 49.7613



36.6050, 34.1651, 41.7035



34.0095, 34.1651, 26.9533



28.6641, 34.1651, 33.0330

Rectangle

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



30.9833, 34.1651, 49.7613



34.5844, 34.1651, 48.8679



34.0095, 34.1651, 26.9533



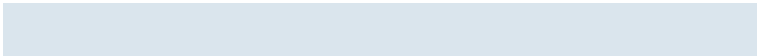
30.4491, 34.1651, 27.5549

Sweetspot

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



30.9843, 34.1665, 49.7621



72.3878, 77.2823, 91.3374



32.1503, 41.0533, 36.1082



15.6701, 16.7743, 20.1335



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.



30.9843, 34.1665, 49.7621



51.3985, 57.1111, 88.5503



27.0237, 26.2451, 48.4419



8.9483, 9.5738, 11.4557



9.7471, 9.9539, 32.6606



0.4030, 0.4697, 1.1712

Inverse Universe

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



34.3022, 29.1793, 38.0082



58.3652, 47.1933, 63.7451



39.5945, 43.5349, 28.1469



9.2202, 9.0985, 10.5071



15.5336, 7.7872, 10.6965



0.5776, 0.2865, 0.5349

Previews

White Background



This preview shows how the XYZ color 30.9833, 34.1651, 49.7613 looks on a white background.

Color Contrast Check

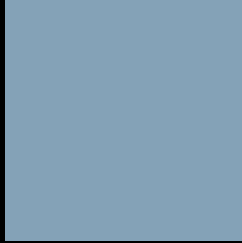
Large Text (above 18pt) WCAG AA × Fail

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 30.9833, 34.1651, 49.7613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

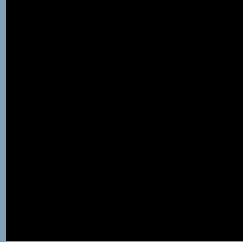
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

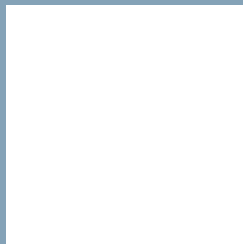
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9833, 34.1651, 49.7613

Background



This preview shows how black text looks on a background with the XYZ color 30.9833, 34.1651, 49.7613.



This preview shows how white text looks on a background with the XYZ color 30.9833, 34.1651,

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

30.9833, 34.1651, 49.7613

Protanopia

33.3516, 33.9016, 47.4337

Deuteranopia

34.8098, 34.0876, 50.6438



Tritanopia

30.2937, 34.1543, 46.0701

Trichromacy



Original Color

30.9833, 34.1651, 49.7613

Protanomaly

32.3191, 33.8600, 48.0122

Deuteranomaly

33.2864, 34.0587, 50.1670

Tritanomaly

30.5939, 34.2744, 47.6510

Monochromacy



Original Color

30.9833, 34.1651, 49.7613

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.0510, 33.3734, 40.4025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9833, 34.1651, 49.7613 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(132, 162, 183)` looks like.

```
.text, #text, p{  
    color:rgb(132, 162, 183)  
}
```

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(132, 162, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 162, 183) }
```

Border

The CSS property to change the border of an element to XYZ 30.9833, 34.1651, 49.7613 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(132, 162, 183) }
```


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

```
.border{ border-color:rgb(132, 162, 183) }
```

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

Here you see how a box with a 4 pixel rgb(132, 162, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 162, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 162, 183);  
box-shadow:4px 4px 4px 4px rgb(132, 162,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9833, 34.1651, 49.7613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 162, 183) }
```

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

```
.background{ background-color: rgb(132,  
162, 183) }
```

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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