

Converting Colors

XYZ(32.2370, 36.6411, 49.1424)

Have a look what the booklet for
XYZ(32.2370, 36.6411, 49.1424)
contains.

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Color

**XYZ(32.2013, 36.6987,
49.1024)**

Conversions

Conversions Part 1

Format	Color
Hex	85A9B5
RGB	133, 169, 181
RGB Percent	52%, 66%, 71%
CMY	0.4784, 0.3372, 0.2902
CMYK	0.27, 0.07, 0.00, 0.29
HSL	195°, 24%, 62%
HSV	195°, 27%, 71%
XYZ	32.2013, 36.6987, 49.1024
YIQ	159.6040, -25.3080, -3.9000

Conversions

Conversions Part 2

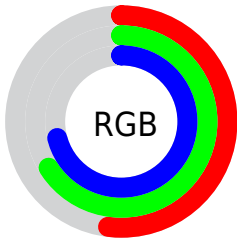
Format	Color
R _Y B	133, 154, 181
Decimal	8759733
CIE Lab	67.05, -9.41, -10.18
CIE LCh	67, 13.865, 227.247
Yxy	36.6987, 0.2729, 0.3110
Android (android.graphics.Color)	4286949813 (0xFF85A9B5)
YUV	159.6040, 10.5482, -23.3317
Hunter-Lab	60.5795, -11.1315, -5.6516

Details

The XYZ color **32.2013, 36.6987, 49.1024** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.4154, 31.7681, 26.5617**, and the grayscale version is **33.1937, 34.9223, 38.0304**.

A 20% lighter version of the original color is **62.4352, 69.9905, 90.3396**, and **13.7372, 16.0749, 22.8008** is the 20% darker color. If you saturate the color by 10%, you get **28.7593, 33.6972, 48.7051**, and if you desaturate by 10%, it is **36.1670, 40.0152, 49.5342**.

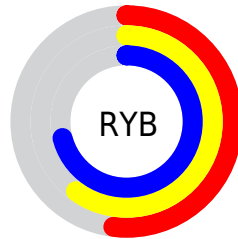
Distribution



Red (52%)

Green (66%)

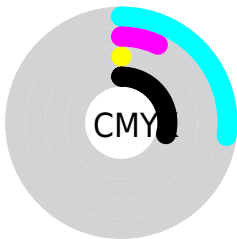
Blue (71%)



Red (52%)

Yellow (60%)

Blue (71%)

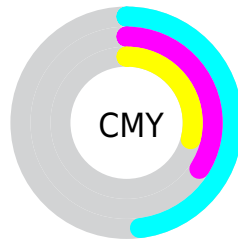


Cyan (27%)

Magenta (7%)

Yellow (0%)

Black (29%)



Cyan (48%)

Magenta (34%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2013, 36.6987, 49.1024 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 32.2013, 36.6987, 49.1024 by changing the saturation by 10% instead.

■ 32.2013, 36.6987,
49.1024

■ 32.2013, 36.6987,
49.1024

303.7642,
332.0042, 399.7794

■ 21.6716, 24.9743,
34.3345

■ 62.4896, 70.1091,
90.2261

■ 13.7310, 16.0579,
22.8713

■ 82.9789, 92.5640,
117.4190

■ 8.0143, 9.5651,
14.2941

■ 107.5188,
119.3644, 149.5907

■ 4.1560, 5.1116,
8.1844

136.4746,
150.8948, 187.1596

■ 1.7907, 2.3129,
4.1237

170.2117,
187.5396, 230.5444

■ 0.5121, 0.7805,
1.6935

209.0954,

■ 0.0000, 0.0000,

229.6832, 280.1636

0.3562

253.4912,
277.7099, 336.4358

■ 0.0000, 0.0000,
0.0000

■ 32.2013, 36.6987,
49.1024

■ 32.2013, 36.6987,
49.1024

■ 28.7593, 33.6972,
48.7051

■ 36.1670, 40.0152,
49.5342

■ 25.8123, 30.9928,
48.3384

■ 40.6769, 43.6551,
49.9990

■ 23.3335, 28.5721,
48.0018

■ 45.7544, 47.6316,
50.4989

■ 21.2922, 26.4189,
47.6938

■ 51.4202, 51.9559,
51.0350

■ 19.6540, 24.5150,
47.4126

■ 57.6944, 56.6388,
51.6082

■ 18.3788, 22.8392,
47.1564

■ 64.5958, 61.6903,
52.2195

■ 17.4127, 21.3633,
46.9224

■ 70.3911, 66.2172,
52.7878

■ 17.1108, 20.8767,
46.8444

■ 71.4591, 68.3533,
53.1438

■ 72.5585, 70.5520,
53.5103

Harmonies

Analogous

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



31.1516, 36.6987, 43.4999



32.2013, 36.6987, 49.1024



33.9939, 36.6987, 52.3829

Triad

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



32.2013, 36.6987, 49.1024



38.9853, 36.6987, 42.5763



33.6931, 36.6987, 29.8664

Complementary

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



32.2013, 36.6987, 49.1024



33.4154, 31.7681, 26.5617

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.



35.7834, 36.6987, 29.6728



32.2013, 36.6987, 49.1024



38.8968, 36.6987, 36.6150

Square

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



32.2013, 36.6987, 49.1024



37.9426, 36.6987, 48.3678



37.7054, 36.6987, 32.0269



31.9887, 36.6987, 32.5854

Rectangle

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



32.2013, 36.6987, 49.1024



35.3948, 36.6987, 52.6152



37.7054, 36.6987, 32.0269



34.3723, 36.6987, 29.5143

Sweetspot

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



32.2024, 36.7002, 49.1032



71.4784, 77.0913, 89.4074



31.2468, 40.0547, 32.5509



15.1803, 16.4471, 19.2968



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.



32.2024, 36.7002, 49.1032



53.8544, 62.4275, 87.5059



28.2621, 28.8197, 47.7898



8.5592, 9.2646, 10.8435



11.8528, 14.5060, 32.3122



0.4159, 0.5424, 1.0310

Inverse Universe

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



34.6059, 29.4642, 41.4011



58.9915, 47.5218, 70.9176



37.3299, 39.5971, 27.8665



8.7575, 8.6097, 10.2212



16.2174, 8.0045, 16.8367



0.5320, 0.2605, 0.6440

Previews

White Background



This preview shows how the XYZ color 32.2013, 36.6987, 49.1024 looks on a white background.

Color Contrast Check

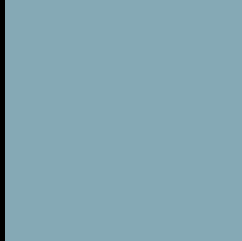
Large Text (above 18pt) WCAG AA × Fail

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 32.2013, 36.6987, 49.1024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

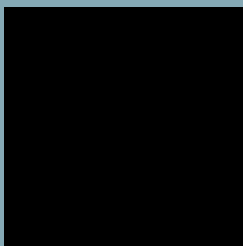
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

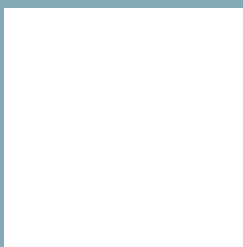
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2013, 36.6987, 49.1024

Background



This preview shows how black text looks on a background with the XYZ color 32.2013, 36.6987, 49.1024.



This preview shows how white text looks on a background with the XYZ color 32.2013, 36.6987,

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

32.2013, 36.6987, 49.1024

Protanopia

35.6571, 36.6566, 46.2704

Deuteranopia

37.1363, 36.3076, 49.8505



Tritanopia

32.3043, 36.7399, 49.6449

Trichromacy



Original Color

32.2013, 36.6987, 49.1024

Protanomaly

34.2535, 36.7039, 47.3987

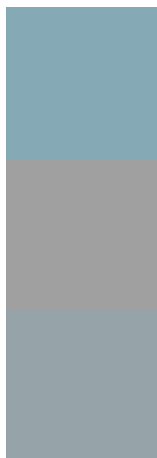
Deuteranomaly

35.0741, 36.2860, 49.4113

Tritanomaly

32.3043, 36.7399, 49.6449

Monochromacy



Original Color

32.2013, 36.6987, 49.1024

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.7428, 35.5056, 42.1733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2013, 36.6987, 49.1024 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(133, 169, 181)` looks like.

```
.text, #text, p{  
    color:rgb(133, 169, 181)  
}
```

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(133, 169, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 169, 181) }
```

Border

The CSS property to change the border of an element to XYZ 32.2013, 36.6987, 49.1024 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(133, 169, 181) }
```


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

```
.border{ border-color:rgb(133, 169, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 169, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 169, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 169, 181);  
box-shadow:4px 4px 4px 4px rgb(133, 169,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2013, 36.6987, 49.1024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 169, 181) }
```

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

```
.background{ background-color: rgb(133,  
169, 181) }
```

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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