

Converting Colors

XYZ(33.9908, 32.5524, 64.6625)

Have a look what the booklet for
XYZ(33.9908, 32.5524, 64.6625)
contains.

XYZ(34.0768, 32.6660, 64.8307)	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(34.0768, 32.6660,
64.8307)**

Conversions

Conversions Part 1

Format	Color
Hex	9097D1
RGB	144, 151, 209
RGB Percent	56%, 59%, 82%
CMY	0.4353, 0.4078, 0.1804
CMYK	0.31, 0.28, 0.00, 0.18
HSL	234°, 41%, 69%
HSV	234°, 31%, 82%
XYZ	34.0768, 32.6660, 64.8307
YIQ	155.5190, -22.7900, 16.5540

Conversions

Conversions Part 2

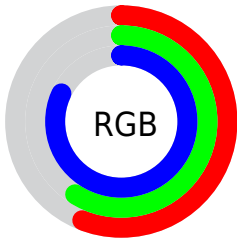
Format	Color
RYB	144, 150, 209
Decimal	9476049
CIELab	63.89, 10.85, -30.52
CIELCh	64, 32.387, 289.576
Yxy	32.6660, 0.2590, 0.2483
Android (android.graphics.Color)	4287666129 (0xFF9097D1)
YUV	155.5190, 26.3661, -10.1022
Hunter-Lab	57.1542, 6.4065, -27.2455

Details

The XYZ color **34.0768, 32.6660, 64.8307** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.4495, 57.8103, 34.7807**, and the grayscale version is **31.2805, 32.9096, 35.8385**.

A 20% lighter version of the original color is **63.4345, 63.0248, 103.4294**, and **14.7043, 13.6716, 32.4357** is the 20% darker color. If you saturate the color by 10%, you get **27.9912, 25.4208, 63.7536**, and if you desaturate by 10%, it is **41.3152, 41.2116, 66.0992**.

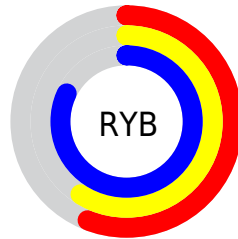
Distribution



Red (56%)

Green (59%)

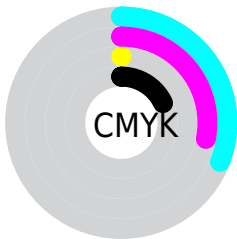
Blue (82%)



Red (56%)

Yellow (59%)

Blue (82%)

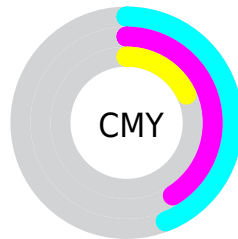


Cyan (31%)

Magenta (28%)

Yellow (0%)

Black (18%)



Cyan (44%)

Magenta (41%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0768, 32.6660, 64.8307 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 34.0768, 32.6660, 64.8307 by changing the saturation by 10% instead.

■ 34.0768, 32.6660,
64.8307

■ 34.0768, 32.6660,
64.8307

312.0543,
314.1420, 460.4729

■ 23.1158, 21.8707,
46.8733

■ 65.3966, 63.8537,
113.4174

■ 14.8002, 13.7619,
32.5819

■ 86.4860, 85.0149,
144.8838

■ 8.7647, 7.9553,
21.5379

111.6824,
110.4002, 181.6902

■ 4.6439, 4.0663,
13.3227

141.3509,
140.3940, 224.2553

■ 2.0725, 1.7107,
7.5178

175.8570,
175.3807, 272.9976

■ 0.6742, 0.4306,
3.7047

215.5660,

■ 0.0000, 0.0000,

215.7447, 328.3356

1.4648

260.8433,
261.8703, 390.6878

■ 0.0000, 0.0000,
0.1915

■ 0.0000, 0.0000,
0.0000

■ 34.0768, 32.6660,
64.8307

■ 34.0768, 32.6660,
64.8307

■ 27.9912, 25.4208,
63.7536

■ 41.3152, 41.2116,
66.0992

■ 22.9953, 19.4083,
62.8563

■ 49.7582, 51.1132,
67.5654

■ 19.0253, 14.5607,
62.1299

■ 59.4587, 62.4277,
69.2381

■ 16.0092, 10.8019,
61.5633

■ 70.4653, 75.2077,
71.1248

■ 13.8655, 8.0465,
61.1445

■ 82.8242, 89.5030,
73.2326

■ 12.4987, 6.1962,
60.8594

■ 88.5087, 97.3835,
74.4541

■ 11.8055, 5.1970,
60.7031

Harmonies

Analogous

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



29.4898, 32.6660, 66.3891



34.0768, 32.6660, 64.8307



38.2060, 32.6660, 54.4432

Triad

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



34.0768, 32.6660, 64.8307



37.0822, 32.6660, 19.6828



23.2045, 32.6660, 31.2187

Complementary

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



34.0768, 32.6660, 64.8307



52.4495, 57.8103, 34.7807

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.



24.8451, 32.6660, 21.6532



34.0768, 32.6660, 64.8307



32.6602, 32.6660, 16.1588

Square

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



34.0768, 32.6660, 64.8307



40.0552, 32.6660, 27.8062



28.2043, 32.6660, 16.7789



23.5038, 32.6660, 44.6538

Rectangle

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



34.0768, 32.6660, 64.8307



40.0027, 32.6660, 45.0611



28.2043, 32.6660, 16.7789



23.5406, 32.6660, 27.5112

Sweetspot

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



34.0779, 32.6673, 64.8315



80.9166, 83.5274, 106.4654



44.8946, 55.7676, 63.9143



16.8639, 17.3459, 22.7092



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.0779, 32.6673, 64.8315



47.2049, 43.8156, 100.5770



37.8271, 32.9768, 64.6936



11.2647, 11.6197, 14.8928



7.3142, 3.2751, 37.4391



0.4445, 0.2541, 2.1052

Inverse Universe

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



41.8546, 35.7372, 33.9715



61.2566, 49.5607, 44.7718



47.6224, 57.8159, 35.0362



11.8598, 11.8286, 12.5373



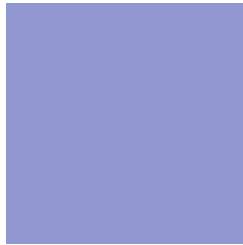
16.3226, 8.4019, 1.3391



0.9306, 0.4769, 0.1692

Previews

White Background



This preview shows how the XYZ color 34.0768, 32.6660, 64.8307 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 34.0768, 32.6660, 64.8307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

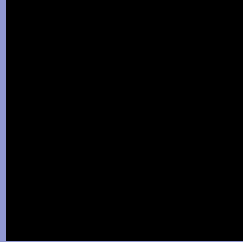
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.0768, 32.6660, 64.8307

Background



This preview shows how black text looks on a background with the XYZ color 34.0768, 32.6660, 64.8307.



This preview shows how white text looks on a background with the XYZ color 34.0768, 32.6660,

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

34.0768, 32.6660, 64.8307

Protanopia

33.5053, 32.8389, 65.5454

Deuteranopia

33.3843, 32.5489, 64.8446



Tritanopia

29.7309, 32.6282, 43.2590

Trichromacy



Original Color

34.0768, 32.6660, 64.8307

Protanomaly

33.6763, 32.6851, 65.5067

Deuteranomaly

33.7214, 32.7226, 64.8604

Tritanomaly

31.1258, 32.4344, 50.5189

Monochromacy



Original Color

34.0768, 32.6660, 64.8307

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.2424, 32.8817, 45.2049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0768, 32.6660, 64.8307 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(144, 151, 209)` looks like.

```
.text, #text, p{  
    color:rgb(144, 151, 209)  
}
```

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(144, 151, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 151, 209) }
```

Border

The CSS property to change the border of an element to XYZ 34.0768, 32.6660, 64.8307 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(144, 151, 209) }
```


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

```
.border{ border-color:rgb(144, 151, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 151, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 151, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 151, 209);  
box-shadow:4px 4px 4px 4px rgb(144, 151,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0768, 32.6660, 64.8307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 151, 209) }
```

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

```
.background{ background-color: rgb(144,  
151, 209) }
```

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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