

Converting Colors

XYZ(31.4839, 36.6071, 42.1260)

Have a look what the booklet for
XYZ(31.4839, 36.6071, 42.1260)
contains.

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Color

**XYZ(31.3164, 36.4002,
41.9346)**

Conversions

Conversions Part 1

Format	Color
Hex	88A9A7
RGB	136, 169, 167
RGB Percent	53%, 66%, 65%
CMY	0.4667, 0.3372, 0.3451
CMYK	0.20, 0.00, 0.01, 0.34
HSL	176°, 16%, 60%
HSV	176°, 20%, 66%
XYZ	31.3164, 36.4002, 41.9346
YIQ	158.9050, -19.0260, -7.6180

Conversions

Conversions Part 2

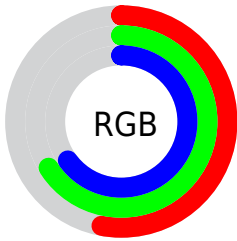
Format	Color
RYB	136, 153, 169
Decimal	8956327
CIELab	66.82, -11.66, -2.71
CIElCh	67, 11.973, 193.090
Yxy	36.4002, 0.2856, 0.3320
Android (android.graphics.Color)	4287146407 (0xFF88A9A7)
YUV	158.9050, 3.9908, -20.0877
Hunter-Lab	60.3326, -12.9293, 1.0229

Details

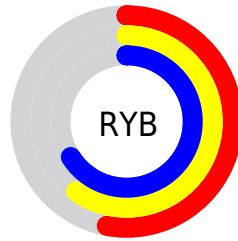
The XYZ color **31.3164, 36.4002, 41.9346** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.7551, 27.8794, 27.8594**, and the grayscale version is **32.9007, 34.6141, 37.6947**.

A 20% lighter version of the original color is **61.0757, 69.5324, 79.3093**, and **13.2021, 15.8917, 18.5912** is the 20% darker color. If you saturate the color by 10%, you get **28.6910, 35.0586, 41.3196**, and if you desaturate by 10%, it is **34.3774, 37.9682, 42.5755**.

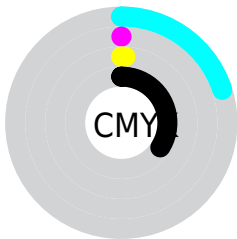
Distribution



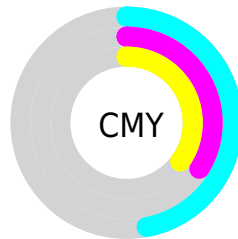
- Red (53%)
- Green (66%)
- Blue (65%)



- Red (53%)
- Yellow (60%)
- Blue (66%)



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)
- Black (34%)



- Cyan (47%)
- Magenta (34%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3164, 36.4002, 41.9346 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 31.3164, 36.4002, 41.9346 by changing the saturation by 10% instead.

■ 31.3164, 36.4002,
41.9346

■ 31.3164, 36.4002,
41.9346

299.7942,
330.7064, 370.0034

■ 20.9929, 24.7434,
28.7249

■ 61.1103, 69.6493,
79.3697

■ 13.2312, 15.8860,
18.6290

■ 81.3115, 92.0105,
104.4321

■ 7.6661, 9.4435,
11.2284

■ 105.5359,
118.7085, 134.2825

■ 3.9320, 5.0316,
6.1046

134.1489,
150.1279, 169.3395

■ 1.6638, 2.2658,
2.8390

167.5159,
186.6530, 210.0215

■ 0.4334, 0.7555,
1.0130

206.0022,

■ 0.0000, 0.0000,

228.6681, 256.7471

0.0000

249.9732,
276.5578, 309.9349

■ 31.3164, 36.4002,
41.9346

■ 31.3164, 36.4002,
41.9346

■ 28.6910, 35.0586,
41.3196

■ 34.3774, 37.9682,
42.5755

■ 26.4780, 33.9286,
40.7270

■ 37.8899, 39.7678,
43.2406

■ 24.6564, 33.0003,
40.1566

■ 41.8726, 41.8098,
43.9318

■ 23.2024, 32.2614,
39.6074

■ 46.3424, 44.1028,
44.6496

■ 22.0896, 31.6983,
39.0780

■ 51.3152, 46.6551,
45.3950

■ 21.2880, 31.2955,
38.5670

■ 56.8065, 49.4745,
46.1686

■ 20.7622, 31.0348,
38.0729

■ 62.8306, 52.5685,
46.9711

■ 20.4391, 30.8786,
37.5920

■ 63.1866, 52.7404,
47.5123

■ 20.4249, 30.8717,
37.5694

■ 63.2878, 52.7809,
48.0456

Harmonies

Analogous

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



31.3726, 36.4002, 36.8041



31.3164, 36.4002, 41.9346



32.1170, 36.4002, 46.8415

Triad

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



31.3164, 36.4002, 41.9346



37.0302, 36.4002, 47.3687



35.6197, 36.4002, 30.8403

Complementary

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



31.3164, 36.4002, 41.9346



29.7551, 27.8794, 27.8594

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.



37.2021, 36.4002, 33.2059



31.3164, 36.4002, 41.9346



38.0357, 36.4002, 42.6046

Square

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



31.3164, 36.4002, 41.9346



35.3917, 36.4002, 50.1582



38.0997, 36.4002, 37.4184



33.8149, 36.4002, 30.6950

Rectangle

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



31.3164, 36.4002, 41.9346



33.0457, 36.4002, 49.2044



38.0997, 36.4002, 37.4184



36.1967, 36.4002, 31.3921

Sweetspot

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



31.3175, 36.4017, 41.9354



63.6236, 69.0501, 76.6491



29.1474, 35.5754, 28.6238



13.7851, 15.0079, 16.6903



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.3175, 36.4017, 41.9354



54.1679, 64.2096, 74.6671



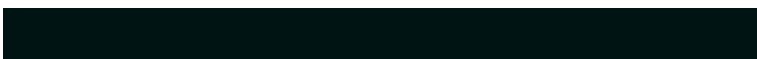
28.9874, 31.4430, 42.0791



7.7276, 8.5241, 9.5517



15.2291, 23.0104, 28.0368



0.3762, 0.5621, 0.7121

Inverse Universe

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



29.7551, 27.8794, 27.8594



50.9047, 46.4064, 45.2644



31.7617, 32.1224, 27.8196



7.5489, 7.5494, 7.9416



12.2438, 6.3062, 0.8296



0.3035, 0.1557, 0.0496

Previews

White Background



This preview shows how the XYZ color 31.3164, 36.4002, 41.9346 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 31.3164, 36.4002, 41.9346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

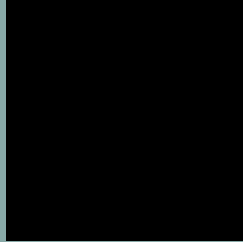
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3164, 36.4002, 41.9346

Background



This preview shows how black text looks on a background with the XYZ color 31.3164, 36.4002, 41.9346.

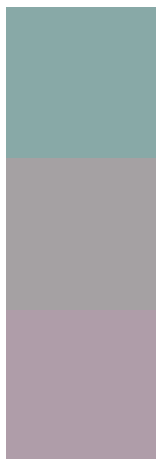


This preview shows how white text looks on a background with the XYZ color 31.3164, 36.4002,

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

31.3164, 36.4002, 41.9346

Protanopia

34.8728, 36.1334, 39.7868

Deuteranopia

36.8976, 36.0925, 42.5579



Tritanopia

32.7044, 36.4217, 48.4864

Trichromacy



Original Color

31.3164, 36.4002, 41.9346

Protanomaly

33.3027, 36.1013, 40.3350

Deuteranomaly

34.5107, 35.8940, 42.1551

Tritanomaly

32.2217, 36.5037, 45.9051

Monochromacy



Original Color

31.3164, 36.4002, 41.9346

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.3813, 35.3823, 39.3052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3164, 36.4002, 41.9346 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(136, 169, 167)` looks like.

```
.text, #text, p{  
    color:rgb(136, 169, 167)  
}
```

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(136, 169, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 169, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.3164, 36.4002, 41.9346 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(136, 169, 167) }
```


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

```
.border{ border-color:rgb(136, 169, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 169, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 169, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 169, 167);  
box-shadow:4px 4px 4px 4px rgb(136, 169,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3164, 36.4002, 41.9346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 169, 167) }
```

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

```
.background{ background-color: rgb(136,  
169, 167) }
```

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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