

Converting Colors

XYZ(31.8986, 36.0870, 43.8329)

Have a look what the booklet for
XYZ(31.8986, 36.0870, 43.8329)
contains.

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Color

**XYZ(31.9846, 36.1532,
43.8206)**

Conversions

Conversions Part 1

Format	Color
Hex	8CA7AB
RGB	140, 167, 171
RGB Percent	55%, 65%, 67%
CMY	0.4510, 0.3451, 0.3294
CMYK	0.18, 0.02, 0.00, 0.33
HSL	188°, 16%, 61%
HSV	188°, 18%, 67%
XYZ	31.9846, 36.1532, 43.8206
YIQ	159.3830, -17.3760, -4.4800

Conversions

Conversions Part 2

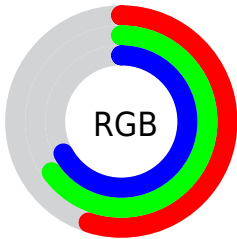
Format	Color
R _Y B	140, 154, 171
Decimal	9217963
CIE Lab	66.64, -8.41, -5.18
CIE LCh	67, 9.883, 211.644
Yxy	36.1532, 0.2857, 0.3229
Android (android.graphics.Color)	4287408043 (0xFF8CA7AB)
YUV	159.3830, 5.7272, -16.9989
Hunter-Lab	60.1275, -10.2708, -1.1209

Details

The XYZ color **31.9846, 36.1532, 43.8206** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.5017, 30.4977, 29.0378**, and the grayscale version is **33.1111, 34.8355, 37.9358**.

A 20% lighter version of the original color is **62.0969, 69.2029, 82.0361**, and **13.5803, 15.7172, 19.7707** is the 20% darker color. If you saturate the color by 10%, you get **28.9239, 33.9817, 43.5634**, and if you desaturate by 10%, it is **35.5021, 38.5723, 44.1027**.

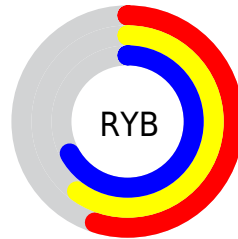
Distribution



Red (55%)

Green (65%)

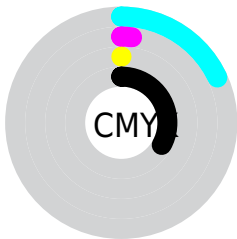
Blue (67%)



Red (55%)

Yellow (60%)

Blue (67%)

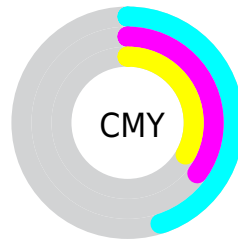


Cyan (18%)

Magenta (2%)

Yellow (0%)

Black (33%)



Cyan (45%)

Magenta (35%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9846, 36.1532, 43.8206 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 31.9846, 36.1532, 43.8206 by changing the saturation by 10% instead.

■ 31.9846, 36.1532,
43.8206

■ 31.9846, 36.1532,
43.8206

302.7956,
329.6297, 377.9956

■ 21.5052, 24.5525,
30.1933

■ 62.1523, 69.2685,
82.2473

■ 13.6084, 15.7440,
19.7321

■ 82.5713, 91.5518,
107.8839

■ 7.9287, 9.3432,
12.0183

■ 107.0343,
118.1649, 138.3606

■ 4.1008, 4.9657,
6.6335

135.9066,
149.4921, 174.0960

■ 1.7593, 2.2271,
3.1590

169.5535,
185.9178, 215.5087

■ 0.4930, 0.7347,
1.1764

208.3404,

■ 0.0000, 0.0000,

227.8263, 263.0171

0.0000

252.6327,
275.6022, 317.0399

■ 31.9846, 36.1532,
43.8206

■ 31.9846, 36.1532,
43.8206

■ 28.9239, 33.9817,
43.5634

■ 35.5021, 38.5723,
44.1027

■ 26.2962, 32.0426,
43.3276

■ 39.4925, 41.2446,
44.4082

■ 24.0802, 30.3259,
43.1130

■ 43.9752, 44.1810,
44.7387

■ 22.2518, 28.8191,
42.9185

■ 48.9672, 47.3903,
45.0951

■ 20.7840, 27.5081,
42.7429

■ 54.4851, 50.8811,
45.4780

■ 19.6464, 26.3775,
42.5846

■ 60.5444, 54.6615,
45.8884

■ 18.8037, 25.4087,
42.4420

■ 65.4089, 57.8365,
46.2448

■ 18.1958, 24.5709,
42.3123

■ 65.8655, 58.7497,
46.3970

■ 18.0904, 24.4195,
42.2886

■ 66.3292, 59.6772,
46.5516

Harmonies

Analogous

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



31.5820, 36.1532, 39.6002



31.9846, 36.1532, 43.8206



33.0219, 36.1532, 47.0223

Triad

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



31.9846, 36.1532, 43.8206



36.9415, 36.1532, 43.3848



34.2805, 36.1532, 31.7311

Complementary

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



31.9846, 36.1532, 43.8206



31.5017, 30.4977, 29.0378

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.



35.7390, 36.1532, 32.5871



31.9846, 36.1532, 43.8206



37.3016, 36.1532, 39.1301

Square

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



31.9846, 36.1532, 43.8206



35.8851, 36.1532, 46.7582



36.8555, 36.1532, 35.2216



32.8837, 36.1532, 32.7947

Rectangle

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



31.9846, 36.1532, 43.8206



33.9486, 36.1532, 48.0382



36.8555, 36.1532, 35.2216



34.7799, 36.1532, 31.8036

Sweetspot

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



31.9857, 36.1547, 43.8214



65.6627, 70.4859, 79.1462



30.3835, 36.7038, 31.7159



14.5373, 15.6474, 17.6417



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.



31.9857, 36.1547, 43.8214



54.8501, 63.0397, 78.2788



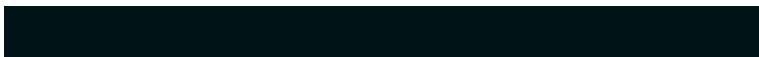
29.3758, 30.9349, 42.9515



8.1469, 8.8932, 10.2399



13.6642, 18.4623, 31.8879



0.4041, 0.5616, 0.8951

Inverse Universe

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



33.1485, 30.2048, 40.6440



57.3674, 50.3445, 71.3592



33.9470, 35.3884, 29.8529



8.2920, 8.1300, 9.8483



16.7607, 8.1668, 22.1832



0.4784, 0.2320, 0.6810

Previews

White Background



This preview shows how the XYZ color 31.9846, 36.1532, 43.8206 looks on a white background.

Color Contrast Check

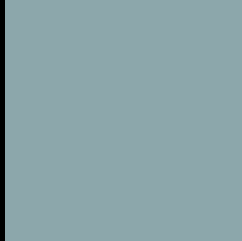
Large Text (above 18pt) WCAG AA × Fail

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 31.9846, 36.1532, 43.8206 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 31.9846, 36.1532, 43.8206

Background



This preview shows how black text looks on a background with the XYZ color 31.9846, 36.1532, 43.8206.



This preview shows how white text looks on a background with the XYZ color 31.9846, 36.1532,

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

31.9846, 36.1532, 43.8206

Protanopia

34.8242, 36.0663, 41.6853

Deuteranopia

36.6131, 35.9017, 44.5352



Tritanopia

32.9282, 36.2779, 47.9147

Trichromacy



Original Color

31.9846, 36.1532, 43.8206

Protanomaly

33.6826, 35.9901, 42.2173

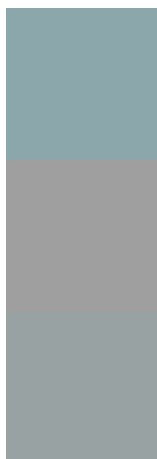
Deuteranomaly

34.6885, 35.9419, 44.1389

Tritanomaly

32.4572, 36.0697, 46.3258

Monochromacy



Original Color

31.9846, 36.1532, 43.8206

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.4801, 35.1604, 39.7251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9846, 36.1532, 43.8206 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(140, 167, 171)` looks like.

```
.text, #text, p{  
    color:rgb(140, 167, 171)  
}
```

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(140, 167, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 167, 171) }
```

Border

The CSS property to change the border of an element to XYZ 31.9846, 36.1532, 43.8206 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(140, 167, 171) }
```


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

```
.border{ border-color:rgb(140, 167, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 167, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 167, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 167, 171);  
box-shadow:4px 4px 4px 4px rgb(140, 167,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9846, 36.1532, 43.8206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 167, 171) }
```

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

```
.background{ background-color: rgb(140,  
167, 171) }
```

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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