

Converting Colors

XYZ(31.3081, 31.2991, 32.4895)

Have a look what the booklet for
XYZ(31.3081, 31.2991, 32.4895)
contains.

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Color

**XYZ(31.2450, 31.2104,
32.3944)**

Conversions

Conversions Part 1

Format	Color
Hex	A49494
RGB	164, 148, 148
RGB Percent	64%, 58%, 58%
CMY	0.3569, 0.4196, 0.4196
CMYK	0.00, 0.10, 0.10, 0.36
HSL	0°, 8%, 61%
HSV	0°, 10%, 64%
XYZ	31.2450, 31.2104, 32.3944
YIQ	152.7840, 9.5360, 3.3920

Conversions

Conversions Part 2

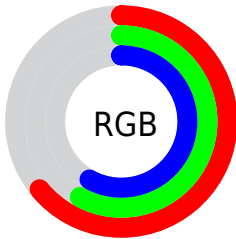
Format	Color
RYB	164, 148, 148
Decimal	10785940
CIELab	62.68, 5.92, 2.15
CIELCh	63, 6.297, 19.941
Yxy	31.2104, 0.3294, 0.3291
Android (android.graphics.Color)	4288976020 (0xFFA49494)
YUV	152.7840, -2.3585, 9.8364
Hunter-Lab	55.8663, 2.0659, 4.7267

Details

The XYZ color **31.2450, 31.2104, 32.3944** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1889, 35.5265, 40.2830**, and the grayscale version is **30.1921, 31.7644, 34.5914**.

A 20% lighter version of the original color is **60.9946, 61.5654, 64.5457**, and **13.1145, 12.8572, 13.0997** is the 20% darker color. If you saturate the color by 10%, you get **27.6456, 25.9437, 25.2375**, and if you desaturate by 10%, it is **35.3945, 37.2821, 40.6429**.

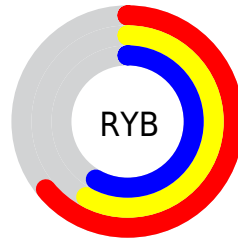
Distribution



Red (64%)

Green (58%)

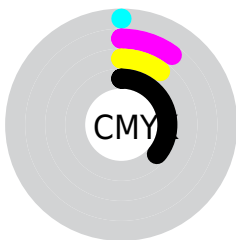
Blue (58%)



Red (64%)

Yellow (58%)

Blue (58%)

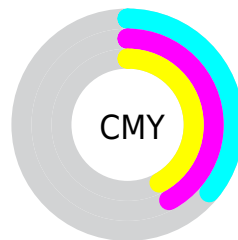


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (36%)



Cyan (36%)

Magenta (42%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2450, 31.2104, 32.3944 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 31.2450, 31.2104, 32.3944 by changing the saturation by 10% instead.

■ 31.2450, 31.2104,
32.3944

■ 31.2450, 31.2104,
32.3944

299.4722,
307.5065, 327.4599

■ 20.9382, 20.7591,
21.3956

■ 60.9988, 61.5712,
64.5339

■ 13.1911, 12.9480,
13.2194

■ 81.1766, 82.2495,
86.5118

■ 7.6381, 7.3928,
7.4473

105.3753,
107.1055, 112.9864

■ 3.9141, 3.7089,
3.6607

133.9605,
136.5238, 144.3763

■ 1.6537, 1.5121,
1.4411

167.2974,
170.8886, 181.1001

■ 0.4270, 0.2972,
0.1735

205.7515,

■ 0.0000, 0.0000,

210.5844, 223.5763

0.0000

249.6879,
255.9955, 272.2233

■ 31.2450, 31.2104,
32.3944

■ 31.2450, 31.2104,
32.3944

■ 27.6456, 25.9437,
25.2375

■ 35.3945, 37.2821,
40.6429

■ 24.5707, 21.4444,
19.1245

■ 40.1129, 44.1864,
50.0238

■ 21.9967, 17.6778,
14.0073

■ 45.4217, 51.9543,
60.5785

■ 19.8970, 14.6053,
9.8333

■ 51.3403, 60.6144,
72.3455

■ 18.2426, 12.1845,
6.5447

■ 57.8870, 70.1937,
85.3617

■ 17.0016, 10.3684,
4.0779

■ 65.0798, 80.7182,
99.6623

■ 16.1374, 9.1037,
2.3603

■ 69.1200, 86.6326,
107.6865

■ 15.6074, 8.3280,
1.3070

■ 15.3168, 7.9028,
0.7296

Harmonies

Analogous

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



31.3213, 31.2104, 34.8160



31.2450, 31.2104, 32.3944



30.7407, 31.2104, 30.4882

Triad

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



31.2450, 31.2104, 32.3944



28.4178, 31.2104, 31.0275



29.3769, 31.2104, 38.8582

Complementary

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



31.2450, 31.2104, 32.3944



32.1889, 35.5265, 40.2830

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.



28.6139, 31.2104, 37.7347



31.2450, 31.2104, 32.3944



28.0673, 31.2104, 33.1630

Square

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



31.2450, 31.2104, 32.3944



29.1046, 31.2104, 29.7259



28.1383, 31.2104, 35.6223



30.2316, 31.2104, 38.6279

Rectangle

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



31.2450, 31.2104, 32.3944



30.2349, 31.2104, 29.7289



28.1383, 31.2104, 35.6223



29.1014, 31.2104, 38.6243

Sweetspot

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



31.2459, 31.2118, 32.3951



61.6484, 63.8714, 68.6080



32.6009, 31.7531, 39.5330



13.3464, 13.7717, 14.7384



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.2459, 31.2118, 32.3951



55.0110, 54.1592, 55.4122



32.5440, 33.8079, 32.8278



7.0739, 7.0862, 7.3750



11.7391, 6.0522, 0.5495



0.2467, 0.1272, 0.0116

Inverse Universe

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



32.1889, 35.5265, 40.2830



57.1207, 63.8119, 73.0587



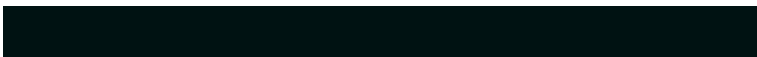
30.8024, 32.7536, 39.8209



7.2760, 8.0111, 9.0659



15.3129, 22.4051, 30.4473



0.3218, 0.4708, 0.6398

Previews

White Background



This preview shows how the XYZ color 31.2450, 31.2104, 32.3944 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 31.2450, 31.2104, 32.3944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

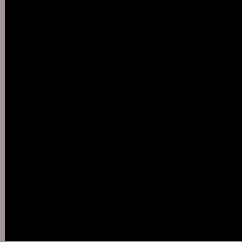
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2450, 31.2104, 32.3944

Background



This preview shows how black text looks on a background with the XYZ color 31.2450, 31.2104, 32.3944.



This preview shows how white text looks on a background with the XYZ color 31.2450, 31.2104,

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

31.2450, 31.2104, 32.3944

Protanopia

30.0892, 31.3038, 33.3105

Deuteranopia

31.9275, 31.3304, 32.3816



Tritanopia

31.9675, 31.0257, 36.6514

Trichromacy



Original Color

31.2450, 31.2104, 32.3944

Protanomaly

30.4317, 31.2517, 32.8620

Deuteranomaly

31.7154, 31.2210, 32.3717

Tritanomaly

31.7835, 31.1999, 34.9189

Monochromacy



Original Color

31.2450, 31.2104, 32.3944

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.5572, 31.5357, 33.7546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2450, 31.2104, 32.3944 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(164, 148, 148)` looks like.

```
.text, #text, p{  
    color:rgb(164, 148, 148)  
}
```

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(164, 148, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 148, 148) }
```

Border

The CSS property to change the border of an element to XYZ 31.2450, 31.2104, 32.3944 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(164, 148, 148) }
```


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

```
.border{ border-color:rgb(164, 148, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 148, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 148, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 148, 148);  
box-shadow:4px 4px 4px 4px rgb(164, 148,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2450, 31.2104, 32.3944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 148, 148) }
```

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

```
.background{ background-color: rgb(164,  
148, 148) }
```

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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