

Converting Colors

XYZ(31.5111, 33.4843, 40.4013)

Have a look what the booklet for
XYZ(31.5111, 33.4843, 40.4013)
contains.

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Color

**XYZ(31.5961, 33.6544,
40.4280)**

Conversions

Conversions Part 1

Format	Color
Hex	969EA5
RGB	150, 158, 165
RGB Percent	59%, 62%, 65%
CMY	0.4118, 0.3804, 0.3529
CMYK	0.09, 0.04, 0.00, 0.35
HSL	208°, 8%, 62%
HSV	208°, 9%, 65%
XYZ	31.5961, 33.6544, 40.4280
YIQ	156.4060, -7.0150, 0.4810

Conversions

Conversions Part 2

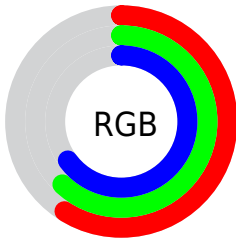
Format	Color
RYB	150, 155, 165
Decimal	9871013
CIELab	64.69, -1.42, -4.63
CIELCh	65, 4.847, 252.910
Yxy	33.6544, 0.2990, 0.3185
Android (android.graphics.Color)	4288061093 (0xFF969EA5)
YUV	156.4060, 4.2368, -5.6181
Hunter-Lab	58.0124, -4.3028, -0.7096

Details

The XYZ color **31.5961, 33.6544, 40.4280** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.0792, 34.3151, 33.7348**, and the grayscale version is **31.7660, 33.4204, 36.3948**.

A 20% lighter version of the original color is **61.6144, 65.5932, 77.1235**, and **13.3839, 14.3603, 17.6892** is the 20% darker color. If you saturate the color by 10%, you get **27.4992, 29.6547, 39.8724**, and if you desaturate by 10%, it is **36.2048, 38.0419, 41.0325**.

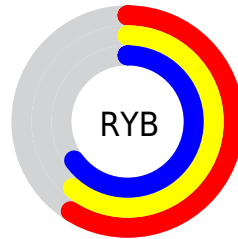
Distribution



Red (59%)

Green (62%)

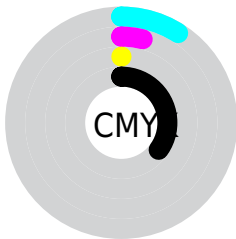
Blue (65%)



Red (59%)

Yellow (61%)

Blue (65%)

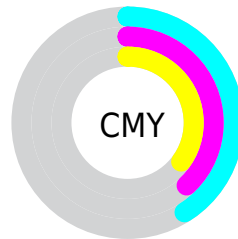


Cyan (9%)

Magenta (4%)

Yellow (0%)

Black (35%)



Cyan (41%)

Magenta (38%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5961, 33.6544, 40.4280 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 31.5961, 33.6544, 40.4280 by changing the saturation by 10% instead.

■ 31.5961, 33.6544,
40.4280

■ 31.5961, 33.6544,
40.4280

301.0533,
318.5883, 363.5298

■ 21.2072, 22.6282,
27.5561

■ 61.5468, 65.3959,
77.0590

■ 13.3889, 14.3192,
17.7552

■ 81.8394, 86.8800,
101.6552

■ 7.7757, 8.3430,
10.6067

106.1640,
112.6188, 130.9966

■ 4.0024, 4.3152,
5.6922

134.8858,
142.9968, 165.5016

■ 1.7035, 1.8514,
2.5931

168.3703,
178.3984, 205.5890

■ 0.4584, 0.5189,
0.8889

206.9828,

■ 0.0000, 0.0000,

219.2079, 251.6771

0.0000

251.0887,
265.8097, 304.1845

■ 31.5961, 33.6544,
40.4280

■ 31.5961, 33.6544,
40.4280

■ 27.4992, 29.6547,
39.8724

■ 36.2048, 38.0419,
41.0325

■ 23.8918, 26.0264,
39.3622

■ 41.3406, 42.8243,
41.6849

■ 20.7544, 22.7579,
38.8967

■ 47.0216, 48.0143,
42.3872

■ 18.0650, 19.8357,
38.4744

■ 53.2643, 53.6222,
43.1407

■ 15.7994, 17.2447,
38.0937

■ 60.0843, 59.6581,
43.9463

■ 13.9312, 14.9690,
37.7529

■ 67.4969, 66.1319,
44.8051

■ 12.4306, 12.9905,
37.4501

■ 71.5465, 71.0063,
45.5326

■ 11.2628, 11.2887,
37.1832

■ 73.5155, 74.9443,
46.1889

■ 10.3602, 9.8258,
36.9484

■ 75.5774, 79.0682,
46.8762

Harmonies

Analogous

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



31.0180, 33.6544, 39.3139



31.5961, 33.6544, 40.4280



32.2872, 33.6544, 40.5053

Triad

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



31.5961, 33.6544, 40.4280



33.3088, 33.6544, 35.7949



31.0856, 33.6544, 33.9097

Complementary

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



31.5961, 33.6544, 40.4280



33.0792, 34.3151, 33.7348

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.



31.6897, 33.6544, 33.0361



31.5961, 33.6544, 40.4280



32.9770, 33.6544, 34.0977

Square

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



31.5961, 33.6544, 40.4280



33.2829, 33.6544, 37.7810



32.3821, 33.6544, 33.1037



30.7262, 33.6544, 35.5299

Rectangle

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



31.5961, 33.6544, 40.4280



32.7196, 33.6544, 39.9542



32.3821, 33.6544, 33.1037



31.2664, 33.6544, 33.5217

Sweetspot

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



31.5971, 33.6558, 40.4287



61.4566, 64.9315, 73.0463



32.0979, 35.8207, 37.0094



13.2935, 14.0602, 15.9508



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.



31.5971, 33.6558, 40.4287



54.9632, 58.7050, 72.1867



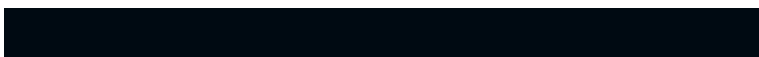
30.3962, 31.2541, 40.0285



6.9986, 7.4563, 8.9734



7.8299, 7.4393, 27.9530



0.2113, 0.2499, 0.6030

Inverse Universe

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



32.5957, 32.2814, 36.8624



57.1462, 55.7519, 64.3794



34.3429, 36.8424, 34.1560



7.2243, 7.1462, 8.1675



13.0977, 6.5951, 7.7049



0.2988, 0.1480, 0.2863

Previews

White Background



This preview shows how the XYZ color 31.5961, 33.6544, 40.4280 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 31.5961, 33.6544, 40.4280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

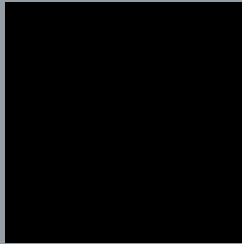
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5961, 33.6544, 40.4280

Background



This preview shows how black text looks on a background with the XYZ color 31.5961, 33.6544, 40.4280.



This preview shows how white text looks on a background with the XYZ color 31.5961, 33.6544,

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

31.5961, 33.6544, 40.4280

Protanopia

32.4939, 33.6254, 39.8997

Deuteranopia

34.2596, 33.5345, 40.7435



Tritanopia

32.0752, 33.5955, 42.8243

Trichromacy



Original Color

31.5961, 33.6544, 40.4280

Protanomaly

32.0842, 33.6643, 39.9288

Deuteranomaly

33.1365, 33.4414, 40.7848

Tritanomaly

31.8874, 33.5204, 41.8352

Monochromacy



Original Color

31.5961, 33.6544, 40.4280

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.6414, 33.4872, 37.5969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5961, 33.6544, 40.4280 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(150, 158, 165)` looks like.

```
.text, #text, p{  
    color:rgb(150, 158, 165)  
}
```

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(150, 158, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 158, 165) }
```

Border

The CSS property to change the border of an element to XYZ 31.5961, 33.6544, 40.4280 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(150, 158, 165) }
```


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

```
.border{ border-color:rgb(150, 158, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 158, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 158, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 158, 165);  
box-shadow:4px 4px 4px 4px rgb(150, 158,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5961, 33.6544, 40.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 158, 165) }
```

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

```
.background{ background-color: rgb(150,  
158, 165) }
```

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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