

Converting Colors

XYZ(31.7465, 40.0039, 31.9449)

Have a look what the booklet for
XYZ(31.7465, 40.0039, 31.9449)
contains.

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Color

**XYZ(31.7604, 40.0290,
32.0390)**

Conversions

Conversions Part 1

Format	Color
Hex	8AB48F
RGB	138, 180, 143
RGB Percent	54%, 71%, 56%
CMY	0.4588, 0.2941, 0.4392
CMYK	0.23, 0.00, 0.21, 0.29
HSL	127°, 22%, 62%
HSV	127°, 23%, 71%
XYZ	31.7604, 40.0290, 32.0390
YIQ	163.2240, -13.1550, -20.4110

Conversions

Conversions Part 2

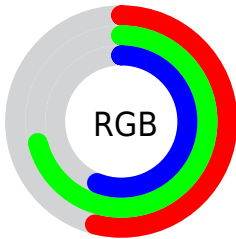
Format	Color
RYB	138, 176, 180
Decimal	9090191
CIELab	69.49, -21.53, 14.37
CIELCh	69, 25.883, 146.274
Yxy	40.0290, 0.3059, 0.3855
Android (android.graphics.Color)	4287280271 (0xFF8AB48F)
YUV	163.2240, -9.9704, -22.1214
Hunter-Lab	63.2685, -21.1139, 14.2636

Details

The XYZ color **31.7604, 40.0290, 32.0390** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.6501, 30.9762, 44.6592**, and the grayscale version is **34.9696, 36.7907, 40.0651**.

A 20% lighter version of the original color is **61.8117, 75.2286, 64.0861**, and **13.4956, 17.9953, 13.1181** is the 20% darker color. If you saturate the color by 10%, you get **27.9080, 38.1733, 26.0252**, and if you desaturate by 10%, it is **36.2784, 42.2105, 38.9721**.

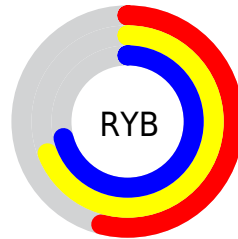
Distribution



Red (54%)

Green (71%)

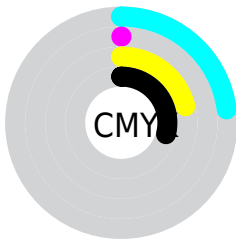
Blue (56%)



Red (54%)

Yellow (69%)

Blue (71%)

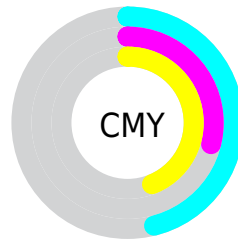


Cyan (23%)

Magenta (0%)

Yellow (21%)

Black (29%)



Cyan (46%)


Magenta (29%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7604, 40.0290, 32.0390 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 31.7604, 40.0290, 32.0390 by changing the saturation by 10% instead.


 31.7604, 40.0290,
32.0390


 31.7604, 40.0290,
32.0390


301.7911,
346.2458, 325.7951


 21.3332, 27.5612,
21.1262


 61.8030, 75.2077,
63.9708

 13.4816, 17.9951,
13.0242

 82.1492, 98.6873,
85.8270

 7.8403, 10.9465,
7.3143


 106.5323,
126.6063, 112.1680

 4.0439, 6.0309,
3.5780

135.3179,
159.3491, 143.4124

 1.7270, 2.8639,
1.3968

168.8712,
197.3000, 179.9788

 0.4731, 1.0611,
0.1392

207.5576,

 0.0000, 0.0000,

240.8435, 222.2857

0.0000

251.7424,
290.3640, 270.7516

■ 31.7604, 40.0290,
32.0390

■ 31.7604, 40.0290,
32.0390

■ 27.9080, 38.1733,
26.0252

■ 36.2784, 42.2105,
38.9721

■ 24.6866, 36.6229,
20.8897

■ 41.4880, 44.7270,
46.8580

■ 22.0633, 35.3630,
16.5920

■ 47.4179, 47.5937,
55.7318

■ 20.0010, 34.3752,
13.0877

■ 54.0941, 50.8233,
65.6262

■ 18.4582, 33.6394,
10.3282

■ 61.5414, 54.4280,
76.5721

■ 17.3880, 33.1324,
8.2596

■ 69.7833, 58.4192,
88.5992

■ 16.7344, 32.8266,
6.8207

■ 75.4519, 61.0601,
101.5775

■ 16.4615, 32.6999,
6.1747

■ 75.6121, 61.1241,
102.4207

Harmonies

Analogous

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



34.6067, 40.0290, 26.0679



31.7604, 40.0290, 32.0390



30.5938, 40.0290, 42.1096

Triad

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



31.7604, 40.0290, 32.0390



37.5277, 40.0290, 70.7463



45.6976, 40.0290, 34.1906

Complementary

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



31.7604, 40.0290, 32.0390



35.6501, 30.9762, 44.6592

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.



46.6205, 40.0290, 45.0940



31.7604, 40.0290, 32.0390



41.7068, 40.0290, 67.5854

Square

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



31.7604, 40.0290, 32.0390



33.7664, 40.0290, 65.6059



45.1114, 40.0290, 57.6164



42.6736, 40.0290, 27.1416

Rectangle

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



31.7604, 40.0290, 32.0390



30.8576, 40.0290, 50.3408



45.1114, 40.0290, 57.6164



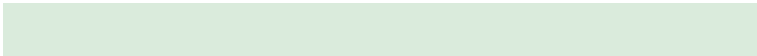
46.2729, 40.0290, 37.4620

Sweetspot

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



31.7615, 40.0307, 32.0399



71.4965, 79.2951, 79.3398



38.6120, 43.6051, 30.4266



15.3325, 17.0803, 16.9661



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.7615, 40.0307, 32.0399



53.8464, 70.7768, 52.2786



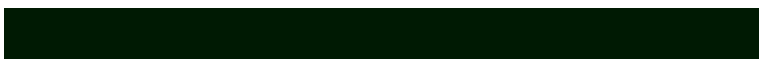
33.4955, 40.7243, 41.1711



8.4288, 9.5060, 9.2516



11.5022, 22.8268, 4.3813



0.3750, 0.7235, 0.2071

Inverse Universe

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



35.6501, 30.9762, 44.6592



62.1353, 51.4712, 79.1736



33.7532, 30.2175, 34.6700



8.8056, 8.6290, 10.4747



17.4949, 8.5155, 23.5638



0.5627, 0.2728, 0.8057

Previews

White Background



This preview shows how the XYZ color 31.7604, 40.0290, 32.0390 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 31.7604, 40.0290, 32.0390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

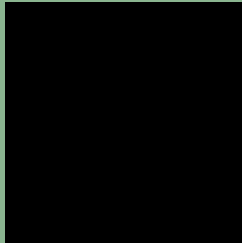
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7604, 40.0290, 32.0390

Background



This preview shows how black text looks on a background with the XYZ color 31.7604, 40.0290, 32.0390.



This preview shows how white text looks on a background with the XYZ color 31.7604, 40.0290,

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

31.7604, 40.0290, 32.0390

Protanopia

37.3658, 39.7946, 29.7565

Deuteranopia

40.6118, 39.7703, 33.1397



Tritanopia

36.0672, 40.0139, 53.3995

Trichromacy



Original Color

31.7604, 40.0290, 32.0390

Protanomaly

34.9870, 39.6731, 30.6246

Deuteranomaly

36.8318, 39.4499, 32.8675

Tritanomaly

34.2994, 39.8689, 44.9174

Monochromacy



Original Color

31.7604, 40.0290, 32.0390

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.5151, 37.6463, 36.9525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7604, 40.0290, 32.0390 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(138, 180, 143)` looks like.

```
.text, #text, p{  
    color:rgb(138, 180, 143)  
}
```

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(138, 180, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 180, 143) }
```

Border

The CSS property to change the border of an element to XYZ 31.7604, 40.0290, 32.0390 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(138, 180, 143) }
```


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

```
.border{ border-color:rgb(138, 180, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 180, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 180, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 180, 143);  
box-shadow:4px 4px 4px 4px rgb(138, 180,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7604, 40.0290, 32.0390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 180, 143) }
```

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

```
.background{ background-color: rgb(138,  
180, 143) }
```

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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