

Converting Colors

XYZ(40.4871, 31.6646, 19.0171)

Have a look what the booklet for
XYZ(40.4871, 31.6646, 19.0171)
contains.

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Color

**XYZ(40.4543, 31.5990,
19.0060)**

Conversions

Conversions Part 1

Format	Color
Hex	DE7E6F
RGB	222, 126, 111
RGB Percent	87%, 49%, 44%
CMY	0.1294, 0.5059, 0.5647
CMYK	0.00, 0.43, 0.50, 0.13
HSL	8°, 63%, 65%
HSV	8°, 50%, 87%
XYZ	40.4543, 31.5990, 19.0060
YIQ	152.9940, 62.0310, 15.6870

Conversions

Conversions Part 2

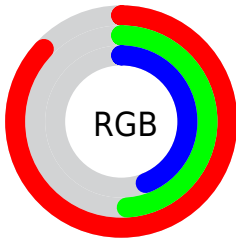
Format	Color
R _Y B	222, 128, 111
Decimal	14581359
CIE Lab	63.01, 35.55, 24.45
CIE LCh	63, 43.144, 34.522
Yxy	31.5990, 0.4443, 0.3470
Android (android.graphics.Color)	4292771439 (0xFFDE7E6F)
YUV	152.9940, -20.7030, 60.5183
Hunter-Lab	56.2130, 30.0868, 19.3027

Details

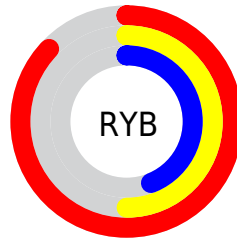
The XYZ color **40.4543, 31.5990, 19.0060** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **42.0519, 53.2765, 77.1740**, and the grayscale version is **30.3448, 31.9251, 34.7665**.

A 20% lighter version of the original color is **64.1721, 56.5469, 42.1827**, and **18.5175, 13.1776, 6.2702** is the 20% darker color. If you saturate the color by 10%, you get **37.1566, 26.7228, 12.6071**, and if you desaturate by 10%, it is **44.5285, 37.5422, 27.1627**.

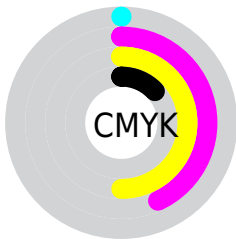
Distribution



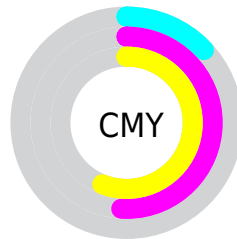
- Red (87%)
- Green (49%)
- Blue (44%)



- Red (87%)
- Yellow (50%)
- Blue (44%)



- Cyan (0%)
- Magenta (43%)
- Yellow (50%)
- Black (13%)





- Cyan (13%)
- Magenta (51%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4543, 31.5990, 19.0060 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 40.4543, 31.5990, 19.0060 by changing the saturation by 10% instead.


 40.4543, 31.5990,
19.0060


 40.4543, 31.5990,
19.0060


339.1363,
309.2885, 258.9057

 28.0787, 21.0554,
11.4978


 75.1348, 62.1819,
42.5811


 18.5258, 13.1645,
6.2843


 98.1704, 82.9900,
59.4850

 11.4301, 7.5419,
2.9472


 125.4900,
107.9884, 80.3579

 6.4263, 3.8033,
1.0677

 157.4590,
137.5615, 105.6182

 3.1491, 1.5641,
0.0000

194.4428,
172.0936, 135.6847

 1.2331, 0.3332,
0.0000

236.8068,

 0.1323, 0.0000,

211.9693, 170.9757

0.0000

284.9161,
257.5727, 211.9099

■ 0.0000, 0.0000,
0.0000

■ 40.4543, 31.5990,
19.0060

■ 40.4543, 31.5990,
19.0060

■ 37.1566, 26.7228,
12.6071

■ 44.5285, 37.5422,
27.1627

■ 34.5830, 22.8454,
7.8346

■ 49.4222, 44.6054,
37.1921

■ 32.6783, 19.8984,
4.5411


■ 55.1781, 52.8442,
49.2015


■ 31.3780, 17.8026,
2.5517


■ 61.8354, 62.3088,
63.2895

■ 30.5887, 16.4587,
1.5647

■ 69.4306, 73.0465,
79.5480

 30.5886, 16.4586,
1.5646

 77.9982, 85.1023,
98.0635

 83.9341, 94.2695,
108.3798

Harmonies

Analogous

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



42.9105, 31.5990, 31.8926



40.4543, 31.5990, 19.0060



35.2166, 31.5990, 12.5282

Triad

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



40.4543, 31.5990, 19.0060



20.8630, 31.5990, 22.1723



30.9428, 31.5990, 78.3667

Complementary

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



40.4543, 31.5990, 19.0060



42.0519, 53.2765, 77.1740

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.



25.3864, 31.5990, 73.1589



40.4543, 31.5990, 19.0060



20.0314, 31.5990, 37.0479

Square

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



40.4543, 31.5990, 19.0060



24.0184, 31.5990, 13.8888



21.5768, 31.5990, 56.4563



36.9783, 31.5990, 68.9797

Rectangle

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



40.4543, 31.5990, 19.0060



31.1369, 31.5990, 11.0458



21.5768, 31.5990, 56.4563



28.9573, 31.5990, 78.2843

Sweetspot

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



40.4551, 31.6006, 19.0066



79.8321, 78.4572, 76.4114



47.0956, 31.4135, 62.7409



16.6798, 16.2132, 15.4940



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.4551, 31.6006, 19.0066



50.6820, 36.3067, 16.9070



49.5784, 49.8472, 22.0477



13.8559, 13.9978, 14.2783



18.2154, 9.8687, 0.9448



1.3113, 0.7816, 0.0817

Inverse Universe

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



42.0519, 53.2765, 77.1740



53.0426, 69.0710, 105.1441



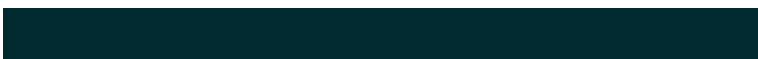
30.9202, 31.0129, 73.4634



13.9503, 15.2397, 17.5940



19.0865, 25.6425, 44.9919



1.3673, 1.8660, 3.1334

Previews

White Background



This preview shows how the XYZ color 40.4543, 31.5990, 19.0060 looks on a white background.

Color Contrast Check

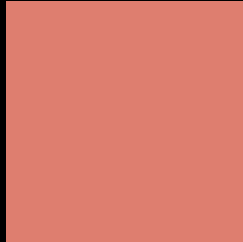
Large Text (above 18pt) WCAG AA × Fail

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 40.4543, 31.5990, 19.0060 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 40.4543, 31.5990, 19.0060

Background



This preview shows how black text looks on a background with the XYZ color 40.4543, 31.5990, 19.0060.



This preview shows how white text looks on a background with the XYZ color 40.4543, 31.5990,

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

40.4543, 31.5990, 19.0060

Protanopia

29.8667, 31.8939, 23.3209

Deuteranopia

32.2241, 31.5644, 18.3041



Tritanopia

41.9883, 31.6792, 25.7315

Trichromacy



Original Color

40.4543, 31.5990, 19.0060

Protanomaly

32.9194, 31.1672, 21.7336

Deuteranomaly

34.9654, 31.4183, 18.4088

Tritanomaly

41.2772, 31.5585, 22.9846

Monochromacy



Original Color

40.4543, 31.5990, 19.0060

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.7700, 30.9449, 28.2905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4543, 31.5990, 19.0060 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(222, 126, 111)` looks like.

```
.text, #text, p{  
    color:rgb(222, 126, 111)  
}
```

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(222, 126, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 126, 111) }
```

Border

The CSS property to change the border of an element to XYZ 40.4543, 31.5990, 19.0060 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(222, 126, 111) }
```


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

```
.border{ border-color:rgb(222, 126, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 126, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 126, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 126, 111);  
box-shadow:4px 4px 4px 4px rgb(222, 126,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4543, 31.5990, 19.0060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 126, 111) }
```

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

```
.background{ background-color: rgb(222,  
126, 111) }
```

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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