

Converting Colors

XYZ(32.1561, 31.6036, 4.6063)

Have a look what the booklet for
XYZ(32.1561, 31.6036, 4.6063)
contains.

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Color

**XYZ(32.1561, 31.6036,
4.6063)**

Conversions

Conversions Part 1

Format	Color
Hex	C19107
RGB	193, 145, 7
RGB Percent	76%, 57%, 3%
CMY	0.2431, 0.4314, 0.9725
CMYK	0.00, 0.25, 0.96, 0.24
HSL	45°, 93%, 39%
HSV	45°, 96%, 76%
XYZ	32.1561, 31.6036, 4.6063
YIQ	143.6200, 72.9060, -32.7420

Conversions

Conversions Part 2

Format	Color
R _Y B	72, 193, 7
Decimal	12685575
CIE Lab	63.01, 7.82, 66.54
CIE LCh	63, 67.001, 83.295
Yxy	31.6036, 0.4704, 0.4623
Android (android.graphics.Color)	4290875655 (0xFFC19107)
YUV	143.6200, -67.3537, 43.3063
Hunter-Lab	56.2171, 3.7219, 34.4939

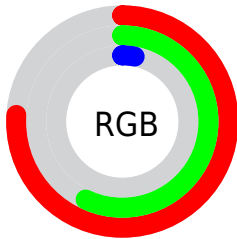
Details

The XYZ color **32.1561, 31.6036, 4.6063** is a dark color, and the websafe version is hex **CC9900**.

The color can be described as dark washed orange. A complement of this color would be **11.0798, 6.6284, 51.1472**, and the grayscale version is **26.5993, 27.9845, 30.4751**.

A 20% lighter version of the original color is **62.5665, 62.4257, 15.4084**, and **13.9237, 13.2528, 1.8242** is the 20% darker color. If you saturate the color by 10%, you get **31.8441, 31.0412, 4.3132**, and if you desaturate by 10%, it is **33.0862, 33.2215, 5.6642**.

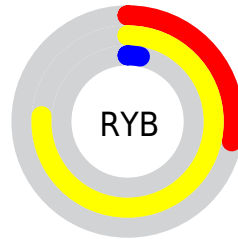
Distribution



Red (76%)

Green (57%)

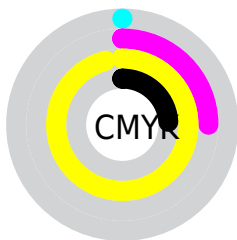
Blue (3%)



Red (28%)

Yellow (76%)

Blue (3%)

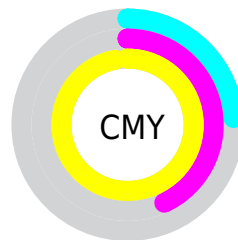


Cyan (0%)

Magenta (25%)

Yellow (96%)

Black (24%)



Cyan (24%)


Magenta (43%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1561, 31.6036, 4.6063 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 32.1561, 31.6036, 4.6063 by changing the saturation by 10% instead.


 32.1561, 31.6036,
4.6063


 32.1561, 31.6036,
4.6063


303.5624,
309.3095, 154.7432

 21.6369, 21.0589,
1.9635


 62.4193, 62.1891,
15.3855


 13.7054, 13.1671,
0.5327


 82.8939, 82.9988,
24.3591

 7.9964, 7.5437,
0.0000


 107.4178,
107.9988, 36.2800

 4.1444, 3.8044,
0.0000

 136.3562,
137.5737, 51.5667

 1.7842, 1.5647,
0.0000

 170.0745,
172.1079, 70.6379

 0.5081, 0.3337,
0.0000

 208.9381,

 0.0000, 0.0000,

211.9856, 93.9120

0.0000

■ 253.3122,
257.5914, 121.8076

■ 32.1561, 31.6036,
4.6063

■ 32.1561, 31.6036,
4.6063

■ 31.8441, 31.0412,
4.3132

■ 33.0862, 33.2215,
5.6642

■ 34.1934, 34.9630,
7.4911

■ 35.5053, 36.8410,
10.2273

■ 37.0426, 38.8646,
13.9802

■ 38.8234, 41.0416,
18.8425

■ 40.8636, 43.3789,
24.8962

■ 43.1776, 45.8829,
32.2155

■ 45.7787, 48.5595,
40.8687

■ 48.6794, 51.4144,
50.9191

Harmonies

Analogous

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



41.9290, 31.6036, 7.6466



32.1561, 31.6036, 4.6063



23.5588, 31.6036, 5.6714

Triad

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



32.1561, 31.6036, 4.6063



16.5204, 31.6036, 58.6476



46.6107, 31.6036, 74.5516

Complementary

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



32.1561, 31.6036, 4.6063



11.0798, 6.6284, 51.1472

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.



37.6086, 31.6036, 105.2810



32.1561, 31.6036, 4.6063



20.6394, 31.6036, 93.2752

Square

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



32.1561, 31.6036, 4.6063



15.6475, 31.6036, 28.8168



28.0155, 31.6036, 113.4756



51.3091, 31.6036, 40.6860

Rectangle

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



32.1561, 31.6036, 4.6063



19.4475, 31.6036, 9.1071



28.0155, 31.6036, 113.4756



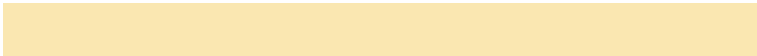
43.9091, 31.6036, 86.1706

Sweetspot

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



32.1568, 31.6052, 4.6069



75.9988, 80.7602, 53.4022



22.7971, 11.7811, 4.8923



15.9231, 16.9127, 10.2527



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



32.1568, 31.6052, 4.6069



56.8241, 55.1767, 7.6552



31.6129, 44.6014, 7.1441



10.6863, 11.3041, 10.6806



21.2475, 20.7807, 2.8912



0.9711, 1.0039, 0.1426

Inverse Universe

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



11.0798, 6.6284, 51.1472



19.1006, 10.6178, 91.4030



11.0373, 4.6910, 50.7755



9.7349, 10.1611, 12.7330



7.2110, 4.1785, 33.9831



0.3695, 0.2963, 1.4876

Previews

White Background



This preview shows how the XYZ color 32.1561, 31.6036, 4.6063 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 32.1561, 31.6036, 4.6063 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 32.1561, 31.6036, 4.6063

Background



This preview shows how black text looks on a background with the XYZ color 32.1561, 31.6036, 4.6063.



This preview shows how white text looks on a background with the XYZ color 32.1561, 31.6036,

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

32.1561, 31.6036, 4.6063

Protanopia

28.4709, 31.5797, 4.9427

Deuteranopia

32.1561, 31.6036, 4.6063



Tritanopia

37.5942, 31.6516, 30.9160

Trichromacy



Original Color

32.1561, 31.6036, 4.6063

Protanomaly

29.7835, 31.5379, 4.8048

Deuteranomaly

32.1561, 31.6036, 4.6063

Tritanomaly

34.3241, 31.1618, 15.0322

Monochromacy



Original Color

32.1561, 31.6036, 4.6063

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.8939, 28.4361, 14.6609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1561, 31.6036, 4.6063 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(193, 145, 7)` looks like.

```
.text, #text, p{  
    color:rgb(193, 145, 7)  
}
```

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(193, 145, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 145, 7) }
```

Border

The CSS property to change the border of an element to XYZ 32.1561, 31.6036, 4.6063 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(193, 145, 7) }
```


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

```
.border{ border-color:rgb(193, 145, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 145, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 145, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 145, 7);  
box-shadow:4px 4px 4px 4px rgb(193, 145,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1561, 31.6036, 4.6063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 145, 7) }
```

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

```
.background{ background-color: rgb(193,  
145, 7) }
```

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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