

Converting Colors

XYZ(37.0423, 31.1555, 12.6556)

Have a look what the booklet for
XYZ(37.0423, 31.1555, 12.6556)
contains.

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Color

**XYZ(37.0423, 31.1555,
12.6556)**

Conversions

Conversions Part 1

Format	Color
Hex	D48455
RGB	212, 132, 85
RGB Percent	83%, 52%, 33%
CMY	0.1686, 0.4823, 0.6667
CMYK	0.00, 0.38, 0.60, 0.17
HSL	22°, 60%, 58%
HSV	22°, 60%, 83%
XYZ	37.0423, 31.1555, 12.6556
YIQ	150.5620, 62.7670, 2.3430

Conversions

Conversions Part 2

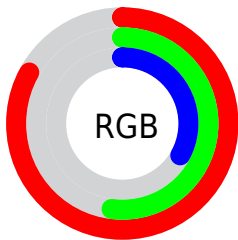
Format	Color
R _Y B	212, 160, 85
Decimal	13927509
CIE Lab	62.64, 26.26, 37.98
CIE LCh	63, 46.175, 55.337
Yxy	31.1555, 0.4581, 0.3853
Android (android.graphics.Color)	4292117589 (0xFFD48455)
YUV	150.5620, -32.3221, 53.8811
Hunter-Lab	55.8171, 20.7793, 25.6290

Details

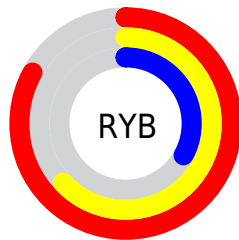
The XYZ color **37.0423, 31.1555, 12.6556** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **29.0841, 33.5930, 67.2381**, and the grayscale version is **29.3439, 30.8721, 33.6197**.

A 20% lighter version of the original color is **63.2428, 58.1554, 31.1844**, and **16.5040, 12.9468, 3.4629** is the 20% darker color. If you saturate the color by 10%, you get **34.6265, 27.4761, 8.2993**, and if you desaturate by 10%, it is **39.9436, 35.4026, 18.4188**.

Distribution



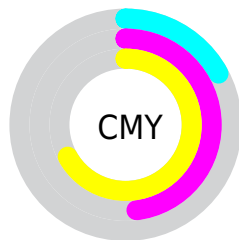
- Red (83%)
- Green (52%)
- Blue (33%)



- Red (83%)
- Yellow (63%)
- Blue (33%)



- Cyan (0%)
- Magenta (38%)
- Yellow (60%)
- Black (17%)





- Cyan (17%)
- Magenta (48%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0423, 31.1555, 12.6556 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 37.0423, 31.1555, 12.6556 by changing the saturation by 10% instead.


 37.0423, 31.1555,
12.6556


 37.0423, 31.1555,
12.6556


324.8460,
307.2541, 219.8283


 25.4141, 20.7173,
7.0639


 69.9512, 61.4848,
31.3657

 16.5162, 12.9175,
3.4230


 91.9627, 82.1447,
45.3212


 9.9833, 7.3718,
1.3145


 118.1659,
106.9806, 62.9017

 5.4501, 3.6957,
0.0736

 148.9262,
136.3769, 84.5258

 2.5511, 1.5048,
0.0000

 184.6090,
170.7180, 110.6119

 0.9211, 0.2921,
0.0000

225.5797,

 0.0000, 0.0000,

210.3883, 141.5787

0.0000

272.2036,
255.7722, 177.8446

■ 37.0423, 31.1555,
12.6556

■ 37.0423, 31.1555,
12.6556

■ 34.6265, 27.4761,
8.2993

■ 39.9436, 35.4026,
18.4188

■ 32.6621, 24.3328,
5.2226

■ 43.3570, 40.2374,
25.6975

■ 31.1128, 21.6976,
3.2774

■ 47.3093, 45.6845,
34.5917

■ 29.9190, 19.5308,
2.1987

■ 51.8250, 51.7655,
45.1920

■ 29.9088, 19.5122,
2.1899

■ 56.9265, 58.5011,
57.5824

■ 62.6353, 65.9107,
71.8412

■ 68.9716, 74.0132,
88.0423

■ 75.9546, 82.8265,
106.2551

■ 80.0701, 90.9549,
107.9436

Harmonies

Analogous

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



41.9520, 31.1555, 21.1478



37.0423, 31.1555, 12.6556



30.6071, 31.1555, 9.7778

Triad

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



37.0423, 31.1555, 12.6556



19.1142, 31.1555, 31.1827



35.0990, 31.1555, 75.8788

Complementary

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



37.0423, 31.1555, 12.6556



29.0841, 33.5930, 67.2381

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.



28.6394, 31.1555, 81.5191



37.0423, 31.1555, 12.6556



19.9661, 31.1555, 51.0215

Square

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



37.0423, 31.1555, 12.6556



20.7321, 31.1555, 17.7826



23.2490, 31.1555, 71.1611



40.7232, 31.1555, 57.6998

Rectangle

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



37.0423, 31.1555, 12.6556



26.5254, 31.1555, 10.2745



23.2490, 31.1555, 71.1611



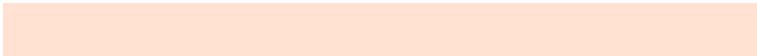
32.9300, 31.1555, 79.5269

Sweetspot

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



37.0430, 31.1571, 12.6562



79.9815, 80.3094, 71.6723



37.2308, 23.2266, 38.3254



16.6586, 16.5756, 14.2389



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.



37.0430, 31.1571, 12.6562



51.6743, 40.2882, 11.0816



48.3209, 53.7127, 16.4155



12.7960, 13.1661, 13.0276



18.5525, 12.2223, 1.3813



1.1970, 0.8931, 0.1093

Inverse Universe

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



29.0841, 33.5930, 67.2381



38.4579, 44.1347, 101.0996



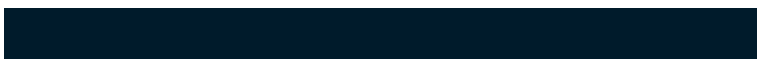
20.3750, 16.1747, 64.3350



12.3879, 13.2992, 15.8516



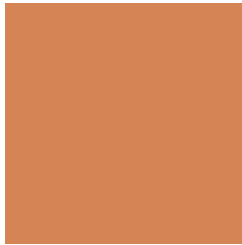
12.6584, 13.5785, 40.4069



0.8415, 0.9749, 2.4631

Previews

White Background



This preview shows how the XYZ color 37.0423, 31.1555, 12.6556 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 37.0423, 31.1555, 12.6556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

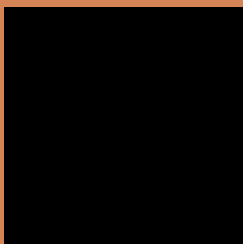
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0423, 31.1555, 12.6556

Background



This preview shows how black text looks on a background with the XYZ color 37.0423, 31.1555, 12.6556.



This preview shows how white text looks on a background with the XYZ color 37.0423, 31.1555,

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

37.0423, 31.1555, 12.6556

Protanopia

28.8859, 31.3362, 14.6513

Deuteranopia

31.8981, 31.2991, 12.3428



Tritanopia

39.8584, 31.1181, 26.8273

Trichromacy



Original Color

37.0423, 31.1555, 12.6556

Protanomaly

31.4570, 31.0393, 13.7844

Deuteranomaly

33.4451, 30.9828, 12.4011

Tritanomaly

38.6616, 31.0188, 20.7792

Monochromacy



Original Color

37.0423, 31.1555, 12.6556

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

31.0376, 30.3631, 24.3035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0423, 31.1555, 12.6556 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(212, 132, 85)` looks like.

```
.text, #text, p{  
    color:rgb(212, 132, 85)  
}
```

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(212, 132, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 132, 85) }
```

Border

The CSS property to change the border of an element to XYZ 37.0423, 31.1555, 12.6556 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(212, 132, 85) }
```


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

```
.border{ border-color:rgb(212, 132, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 132, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 132, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 132, 85);  
box-shadow:4px 4px 4px 4px rgb(212, 132,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0423, 31.1555, 12.6556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 132, 85) }
```

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

```
.background{ background-color: rgb(212,  
132, 85) }
```

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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