

Converting Colors

XYZ(36.4316, 31.4755, 8.3932)

Have a look what the booklet for
XYZ(36.4316, 31.4755, 8.3932)
contains.

XYZ(36.6310, 31.6512, 8.4536)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.6310, 31.6512,
8.4536)**

Conversions

Conversions Part 1

Format	Color
Hex	D4873C
RGB	212, 135, 60
RGB Percent	83%, 53%, 24%
CMY	0.1686, 0.4706, 0.7647
CMYK	0.00, 0.36, 0.72, 0.17
HSL	30°, 64%, 53%
HSV	30°, 72%, 83%
XYZ	36.6310, 31.6512, 8.4536
YIQ	149.4730, 69.9670, -7.0010

Conversions

Conversions Part 2

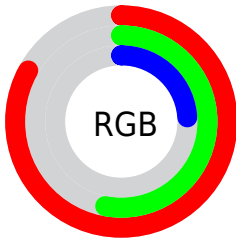
Format	Color
R _Y B	212, 208, 60
Decimal	13928252
CIE Lab	63.05, 23.12, 50.98
CIE LCh	63, 55.974, 65.607
Yxy	31.6512, 0.4774, 0.4125
Android (android.graphics.Color)	4292118332 (0xFFD4873C)
YUV	149.4730, -44.1102, 54.8362
Hunter-Lab	56.2594, 17.7690, 30.4726

Details

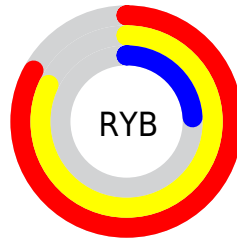
The XYZ color **36.6310, 31.6512, 8.4536** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **22.6924, 23.6044, 65.6472**, and the grayscale version is **28.9270, 30.4334, 33.1420**.

A 20% lighter version of the original color is **62.3068, 58.8029, 23.1051**, and **16.2138, 13.1790, 1.7754** is the 20% darker color. If you saturate the color by 10%, you get **34.7554, 28.6245, 5.5956**, and if you desaturate by 10%, it is **38.8836, 35.0732, 12.5448**.

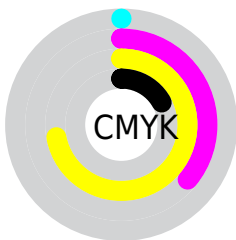
Distribution



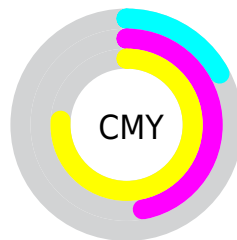
- Red (83%)
- Green (53%)
- Blue (24%)



- Red (83%)
- Yellow (82%)
- Blue (24%)



- Cyan (0%)
- Magenta (36%)
- Yellow (72%)
- Black (17%)





- Cyan (17%)
- Magenta (47%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6310, 31.6512, 8.4536 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 36.6310, 31.6512, 8.4536 by changing the saturation by 10% instead.


 36.6310, 31.6512,
8.4536

 36.6310, 31.6512,
8.4536


323.0935,
309.5273, 189.3132

 25.0943, 21.0952,
4.2946


 69.3224, 62.2639,
23.4037

 16.2764, 13.1936,
1.7883


 91.2078, 83.0894,
35.0319


 9.8121, 7.5620,
0.4202


 117.2735,
108.1068, 49.9869

 5.3358, 3.8160,
0.0000

 147.8848,
137.7006, 68.6873

 2.4824, 1.5712,
0.0000

 183.4071,
172.2552, 91.5516

 0.8864, 0.3380,
0.0000

 224.2058,

 0.0000, 0.0000,

212.1549, 118.9983

0.0000

270.6461,
257.7841, 151.4460

■ 36.6310, 31.6512,
8.4536

■ 36.6310, 31.6512,
8.4536

■ 34.7554, 28.6245,
5.5956

■ 38.8836, 35.0732,
12.5448

■ 33.2215, 25.9678,
3.8167

■ 41.5393, 38.9038,
17.9950

■ 32.1634, 24.0212,
2.9414

■ 44.6237, 43.1611,
24.9161

■ 48.1595, 47.8605,
33.4079

■ 52.1675, 53.0164,
43.5611

■ 56.6670, 58.6424,
55.4597

■ 61.6764, 64.7517,
69.1818

■ 67.2127, 71.3564,
84.8009

■ 73.2922, 78.4686,
102.3863

Harmonies

Analogous

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



43.8184, 31.6512, 15.1818



36.6310, 31.6512, 8.4536



28.6581, 31.6512, 7.1245

Triad

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



36.6310, 31.6512, 8.4536



17.6097, 31.6512, 38.7801



39.5671, 31.6512, 81.7916

Complementary

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



36.6310, 31.6512, 8.4536



22.6924, 23.6044, 65.6472

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.



31.5555, 31.6512, 96.3415



36.6310, 31.6512, 8.4536



19.5682, 31.6512, 65.5654

Square

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



36.6310, 31.6512, 8.4536



18.5007, 31.6512, 19.7336



24.3668, 31.6512, 89.3974



45.7063, 31.6512, 55.1399

Rectangle

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



36.6310, 31.6512, 8.4536



24.1201, 31.6512, 8.6035



24.3668, 31.6512, 89.3974



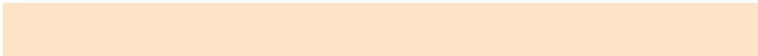
36.9567, 31.6512, 88.6812

Sweetspot

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



36.6317, 31.6528, 8.4542



78.8923, 80.0890, 65.2726



33.3935, 19.0794, 26.1707



16.5158, 16.6702, 13.0194



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.



36.6317, 31.6528, 8.4542



51.5141, 41.3061, 6.9029



50.8820, 60.1534, 13.2043



12.9242, 13.4227, 13.0704



19.9561, 15.0294, 1.8492



1.2864, 1.0720, 0.1391

Inverse Universe

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



22.6924, 23.6044, 65.6472



29.1676, 28.3906, 98.5504



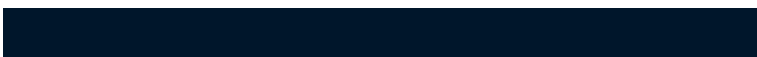
15.4991, 9.2180, 63.2495



12.2573, 13.0381, 15.8081



10.7078, 9.6773, 39.7567



0.7286, 0.7492, 2.4255

Previews

White Background



This preview shows how the XYZ color 36.6310, 31.6512, 8.4536 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 36.6310, 31.6512, 8.4536 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 36.6310, 31.6512, 8.4536

Background



This preview shows how black text looks on a background with the XYZ color 36.6310, 31.6512, 8.4536.



This preview shows how white text looks on a background with the XYZ color 36.6310, 31.6512,

8.4536.

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

36.6310, 31.6512, 8.4536

Protanopia

28.9229, 31.7102, 9.5973

Deuteranopia

32.3498, 31.6226, 8.2696



Tritanopia

40.6486, 31.7080, 27.2704

Trichromacy



Original Color

36.6310, 31.6512, 8.4536

Protanomaly

31.1837, 31.2309, 9.0872

Deuteranomaly

33.8418, 31.4974, 8.2989

Tritanomaly

38.7137, 31.4950, 18.2261

Monochromacy



Original Color

36.6310, 31.6512, 8.4536

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.1974, 30.0015, 21.0289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6310, 31.6512, 8.4536 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, 135, 60)` looks like.

```
.text, #text, p{  
    color:rgb(212, 135, 60)  
}
```

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, 135, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 135, 60) }
```

Border

The CSS property to change the border of an element to XYZ 36.6310, 31.6512, 8.4536 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, 135, 60) }
```


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

```
.border{ border-color:rgb(212, 135, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 135, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 135, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 135, 60);  
box-shadow:4px 4px 4px 4px rgb(212, 135,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6310, 31.6512, 8.4536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 135, 60) }
```

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

```
.background{ background-color: rgb(212,  
135, 60) }
```

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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