

Converting Colors

XYZ(36.8669, 30.6884, 12.9550)

Have a look what the booklet for
XYZ(36.8669, 30.6884, 12.9550)
contains.

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Color

**XYZ(36.8543, 30.6504,
12.9905)**

Conversions

Conversions Part 1

Format	Color
Hex	D48257
RGB	212, 130, 87
RGB Percent	83%, 51%, 34%
CMY	0.1686, 0.4902, 0.6588
CMYK	0.00, 0.39, 0.59, 0.17
HSL	21°, 59%, 59%
HSV	21°, 59%, 83%
XYZ	36.8543, 30.6504, 12.9905
YIQ	149.6160, 62.6750, 4.0110

Conversions

Conversions Part 2

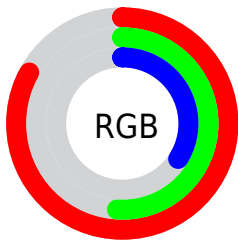
Format	Color
RYB	212, 153, 87
Decimal	13926999
CIELab	62.21, 27.48, 36.39
CIElCh	62, 45.602, 52.936
Yxy	30.6504, 0.4578, 0.3808
Android (android.graphics.Color)	4292117079 (0xFFD48257)
YUV	149.6160, -30.8697, 54.7108
Hunter-Lab	55.3628, 21.9402, 24.8420

Details

The XYZ color **36.8543, 30.6504, 12.9905** 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 **30.0013, 35.1538, 67.4912**, and the grayscale version is **28.9354, 30.4423, 33.1517**.

A 20% lighter version of the original color is **62.9679, 57.3760, 31.8007**, and **16.3885, 12.6628, 3.5879** is the 20% darker color. If you saturate the color by 10%, you get **34.3857, 26.9018, 8.5039**, and if you desaturate by 10%, it is **39.8287, 35.0039, 18.9008**.

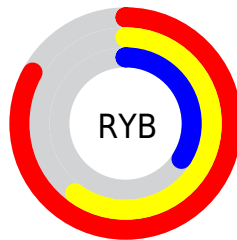
Distribution



Red (83%)

Green (51%)

Blue (34%)



Red (83%)

Yellow (60%)

Blue (34%)

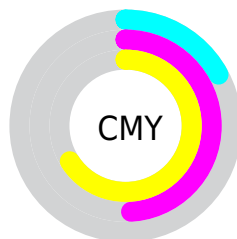


Cyan (0%)

Magenta (39%)

Yellow (59%)

Black (17%)



Cyan (17%)


Magenta (49%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8543, 30.6504, 12.9905 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 36.8543, 30.6504, 12.9905 by changing the saturation by 10% instead.


 36.8543, 30.6504,
12.9905


 36.8543, 30.6504,
12.9905


324.0458,
304.9245, 222.0625

 25.2679, 20.3328,
7.2914


 69.6639, 60.6892,
31.9777

 16.4065, 12.6372,
3.5638


 91.6178, 81.1792,
46.1027

 9.9049, 7.1792,
1.3892


 117.7583,
105.8288, 63.8736

 5.3978, 3.5744,
0.1333

 148.4506,
135.0224, 85.7086

 2.5196, 1.4385,
0.0000

 184.0601,
169.1444, 112.0265

 0.9052, 0.2448,
0.0000

224.9523,

 0.0000, 0.0000,

208.5791, 143.2458

0.0000

271.4924,
253.7110, 179.7849

■ 36.8543, 30.6504,
12.9905

■ 36.8543, 30.6504,
12.9905

■ 34.3857, 26.9018,
8.5039

■ 39.8287, 35.0039,
18.9008

■ 32.3877, 23.7242,
5.3148

■ 43.3364, 39.9845,
26.3427

■ 30.8233, 21.0871,
3.2775

■ 47.4050, 45.6188,
35.4155

■ 29.6376, 18.9504,
2.1589

■ 52.0599, 51.9305,
46.2094

■ 29.5296, 18.7537,
2.0635

■ 57.3243, 58.9419,
58.8084

■ 63.2206, 66.6743,
73.2904

■ 69.7696, 75.1482,
89.7292

■ 76.7325, 84.2794,
106.8311

■ 80.9613, 92.7370,
108.2407

Harmonies

Analogous

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



41.4325, 30.6504, 21.8409



36.8543, 30.6504, 12.9905



30.6104, 30.6504, 9.7873

Triad

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



36.8543, 30.6504, 12.9905



18.9043, 30.6504, 29.3802



33.9866, 30.6504, 75.2735

Complementary

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



36.8543, 30.6504, 12.9905



30.0013, 35.1538, 67.4912

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.



27.7025, 30.6504, 79.5126



36.8543, 30.6504, 12.9905



19.5447, 30.6504, 48.3831

Square

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



36.8543, 30.6504, 12.9905



20.6802, 30.6504, 16.8434



22.5721, 30.6504, 68.3372



39.6210, 30.6504, 58.2213

Rectangle

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



36.8543, 30.6504, 12.9905



26.5650, 30.6504, 10.0556



22.5721, 30.6504, 68.3372



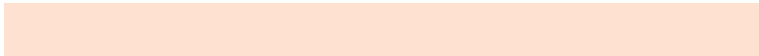
31.8598, 30.6504, 78.4429

Sweetspot

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



36.8550, 30.6520, 12.9911



79.6569, 79.6602, 71.5641



37.8469, 23.7285, 40.7811



16.5801, 16.4187, 14.2128



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.



36.8550, 30.6520, 12.9911



51.3122, 39.4294, 11.3759



47.5388, 52.0194, 16.5523



12.7691, 13.1124, 13.0187



18.3146, 11.7464, 1.3020



1.1806, 0.8604, 0.1039

Inverse Universe

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



30.0013, 35.1538, 67.4912



39.8764, 46.6863, 101.5174



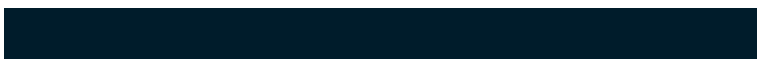
21.1593, 17.4700, 64.5439



12.4158, 13.3550, 15.8609



13.1384, 14.5385, 40.5669



0.8682, 1.0283, 2.4720

Previews

White Background



This preview shows how the XYZ color 36.8543, 30.6504, 12.9905 looks on a white background.

Color Contrast Check

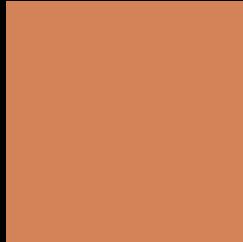
Large Text (above 18pt) WCAG AA × Fail

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 36.8543, 30.6504, 12.9905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

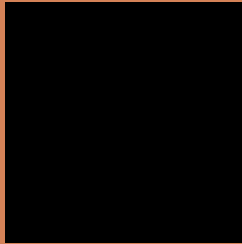
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8543, 30.6504, 12.9905

Background



This preview shows how black text looks on a background with the XYZ color 36.8543, 30.6504, 12.9905.



This preview shows how white text looks on a background with the XYZ color 36.8543, 30.6504,

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

36.8543, 30.6504, 12.9905

Protanopia

28.4420, 30.8520, 15.2824

Deuteranopia

31.3407, 30.7770, 12.6762



Tritanopia

39.4656, 30.5558, 26.0081

Trichromacy



Original Color

36.8543, 30.6504, 12.9905

Protanomaly

30.8103, 30.2414, 14.3385

Deuteranomaly

33.1204, 30.5904, 12.7532

Tritanomaly

38.3448, 30.4788, 20.3850

Monochromacy



Original Color

36.8543, 30.6504, 12.9905

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.8868, 30.0615, 24.2532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8543, 30.6504, 12.9905 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, 130, 87)` looks like.

```
.text, #text, p{  
    color:rgb(212, 130, 87)  
}
```

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, 130, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 130, 87) }
```

Border

The CSS property to change the border of an element to XYZ 36.8543, 30.6504, 12.9905 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, 130, 87) }
```


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

```
.border{ border-color:rgb(212, 130, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 130, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 130, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 130, 87);  
box-shadow:4px 4px 4px 4px rgb(212, 130,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8543, 30.6504, 12.9905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 130, 87) }
```

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

```
.background{ background-color: rgb(212,  
130, 87) }
```

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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