

Converting Colors

XYZ(34.8662, 24.2530, 4.3131)

Have a look what the booklet for
XYZ(34.8662, 24.2530, 4.3131)
contains.

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Color

**XYZ(34.9806, 24.3472,
4.2946)**

Conversions

Conversions Part 1

Format	Color
Hex	DF6121
RGB	223, 97, 33
RGB Percent	87%, 38%, 13%
CMY	0.1255, 0.6196, 0.8706
CMYK	0.00, 0.56, 0.85, 0.13
HSL	20°, 75%, 50%
HSV	20°, 85%, 87%
XYZ	34.9806, 24.3472, 4.2946
YIQ	127.3780, 95.6400, 6.8080

Conversions

Conversions Part 2

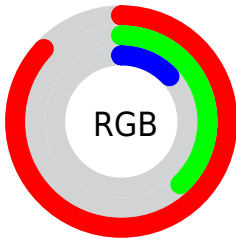
Format	Color
RYB	223, 130, 33
Decimal	14639393
CIELab	56.43, 46.10, 56.81
CIELCh	56, 73.159, 50.939
Yxy	24.3472, 0.5498, 0.3827
Android (android.graphics.Color)	4292829473 (0xFFDF6121)
YUV	127.3780, -46.5284, 83.8605
Hunter-Lab	49.3429, 40.1938, 29.3797

Details

The XYZ color **34.9806, 24.3472, 4.2946** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **26.3432, 30.4447, 74.2993**, and the grayscale version is **20.4361, 21.5004, 23.4139**.

A 20% lighter version of the original color is **53.9068, 44.0333, 14.0456**, and **15.3979, 9.2749, 0.9787** is the 20% darker color. If you saturate the color by 10%, you get **33.5238, 21.7793, 2.7445**, and if you desaturate by 10%, it is **36.8996, 27.5099, 7.0176**.

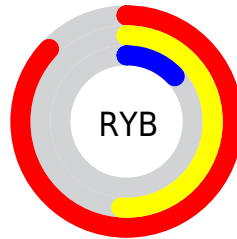
Distribution



Red (87%)

Green (38%)

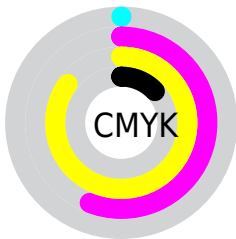
Blue (13%)



Red (87%)

Yellow (51%)

Blue (13%)

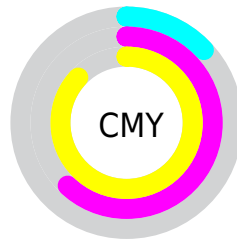


Cyan (0%)

Magenta (56%)

Yellow (85%)

Black (13%)



Cyan (13%)


Magenta (62%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9806, 24.3472, 4.2946 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 34.9806, 24.3472, 4.2946 by changing the saturation by 10% instead.


 34.9806, 24.3472,
4.2946


 34.9806, 24.3472,
4.2946


315.9922,
274.5711, 151.4456


 23.8144, 15.5914,
1.7883


 66.7899, 50.5962,
14.6837

 15.3200, 9.2355,
0.4202


 88.1638, 68.8581,
23.4036

 9.1320, 4.8951,
0.0000


 113.6708, 91.0576,
35.0317

 4.8852, 2.1858,
0.0000

 143.6765,
117.5789, 49.9867

 2.2141, 0.7123,
0.0000

 178.5461,
148.8066, 68.6871

 0.7502, 0.0000,
0.0000

 218.6450,

 0.0000, 0.0000,

185.1249, 91.5513

0.0000

264.3386,
226.9183, 118.9980

34.9806, 24.3472,
4.2946

34.9806, 24.3472,
4.2946

33.5238, 21.7793,
2.7445

36.8996, 27.5099,
7.0176

32.9557, 20.7369,
2.2657

39.3277, 31.3035,
11.1024

42.3063, 35.7653,
16.7052

45.8715, 40.9280,
23.9600

50.0562, 46.8221,
32.9862

■ 54.8906, 53.4760,
43.8917

■ 60.4025, 60.9165,
56.7761

■ 66.6183, 69.1691,
71.7317

■ 73.5629, 78.2580,
88.8449

Harmonies

Analogous

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



41.9024, 24.3472, 13.1028



34.9806, 24.3472, 4.2946



25.7990, 24.3472, 1.9852

Triad

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



34.9806, 24.3472, 4.2946



10.5073, 24.3472, 19.8286



29.4552, 24.3472, 98.1716

Complementary

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



34.9806, 24.3472, 4.2946



26.3432, 30.4447, 74.2993

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.



20.6726, 24.3472, 104.2659



34.9806, 24.3472, 4.2946



11.0304, 24.3472, 46.8883

Square

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



34.9806, 24.3472, 4.2946



12.6687, 24.3472, 6.6556



14.3293, 24.3472, 81.6350



38.2103, 24.3472, 68.0397

Rectangle

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



34.9806, 24.3472, 4.2946



20.1896, 24.3472, 2.0327



14.3293, 24.3472, 81.6350



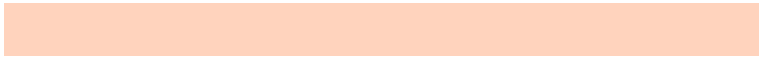
26.3675, 24.3472, 103.6069

Sweetspot

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



34.9811, 24.3486, 4.2950



73.6958, 71.5272, 57.8955



37.2911, 19.3020, 34.8652



15.2694, 14.6185, 11.2440



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.



34.9811, 24.3486, 4.2950



44.5602, 27.9004, 3.0367



49.4091, 53.2046, 9.1043



14.0827, 14.4514, 14.3539



19.4713, 12.3805, 1.3634



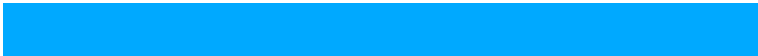
1.4304, 1.0196, 0.1214

Inverse Universe

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



26.3432, 30.4447, 74.2993



32.2557, 35.6313, 99.7852



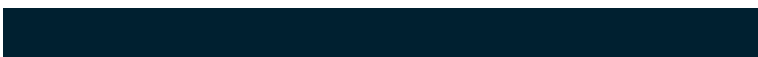
15.8177, 9.3936, 70.7908



13.7074, 14.7538, 17.5130



14.1551, 15.7797, 43.3481



1.0628, 1.2571, 3.0319

Previews

White Background



This preview shows how the XYZ color 34.9806, 24.3472, 4.2946 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 34.9806, 24.3472, 4.2946 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 × Fail

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

XYZ 34.9806, 24.3472, 4.2946

Background



This preview shows how black text looks on a background with the XYZ color 34.9806, 24.3472, 4.2946.



This preview shows how white text looks on a background with the XYZ color 34.9806, 24.3472,

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

34.9806, 24.3472, 4.2946

Protanopia

22.1891, 24.4581, 5.8369

Deuteranopia

24.9497, 24.5057, 3.8670



Tritanopia

36.9501, 24.3528, 14.0623

Trichromacy



Original Color

34.9806, 24.3472, 4.2946

Protanomaly

25.6858, 23.5305, 5.1075

Deuteranomaly

27.9920, 23.8569, 3.8886

Tritanomaly

35.8909, 24.1704, 9.2523

Monochromacy



Original Color

34.9806, 24.3472, 4.2946

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

23.1215, 20.9625, 13.1835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9806, 24.3472, 4.2946 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(223, 97, 33)` looks like.

```
.text, #text, p{  
    color:rgb(223, 97, 33)  
}
```

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(223, 97, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 97, 33) }
```

Border

The CSS property to change the border of an element to XYZ 34.9806, 24.3472, 4.2946 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(223, 97, 33) }
```


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

```
.border{ border-color:rgb(223, 97, 33) }
```

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

Here you see how a box with a 4 pixel rgb(223, 97, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 97, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 97, 33);  
box-shadow:4px 4px 4px 4px rgb(223, 97,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9806, 24.3472, 4.2946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 97, 33) }
```

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

```
.background{ background-color: rgb(223, 97,  
33) }
```

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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