

Converting Colors

XYZ(40.7806, 35.2689, 9.8125)

Have a look what the booklet for
XYZ(40.7806, 35.2689, 9.8125)
contains.

XYZ(40.7806, 35.2689, 9.8125)	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(40.7806, 35.2689,
9.8125)**

Conversions

Conversions Part 1

Format	Color
Hex	DE8E42
RGB	222, 142, 66
RGB Percent	87%, 56%, 26%
CMY	0.1294, 0.4431, 0.7412
CMYK	0.00, 0.36, 0.70, 0.13
HSL	29°, 70%, 56%
HSV	29°, 70%, 87%
XYZ	40.7806, 35.2689, 9.8125
YIQ	157.2560, 72.0760, -6.6760

Conversions

Conversions Part 2

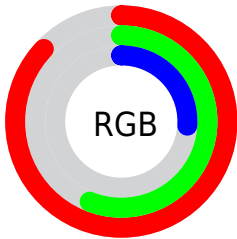
Format	Color
R _Y B	222, 214, 66
Decimal	14585410
CIE Lab	65.96, 23.85, 51.64
CIE LCh	66, 56.880, 65.208
Yxy	35.2689, 0.4750, 0.4108
Android (android.graphics.Color)	4292775490 (0xFFDE8E42)
YUV	157.2560, -44.9892, 56.7805
Hunter-Lab	59.3876, 18.6450, 31.7750

Details

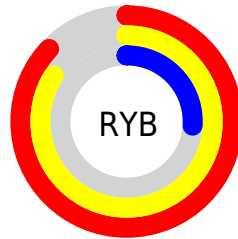
The XYZ color **40.7806, 35.2689, 9.8125** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **25.7100, 26.9888, 72.9612**, and the grayscale version is **32.3377, 34.0217, 37.0497**.

A 20% lighter version of the original color is **64.1908, 62.0242, 25.4183**, and **18.7077, 15.1901, 2.2938** is the 20% darker color. If you saturate the color by 10%, you get **38.6406, 31.8412, 6.4728**, and if you desaturate by 10%, it is **43.3491, 39.1478, 14.5481**.

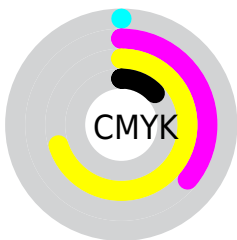
Distribution



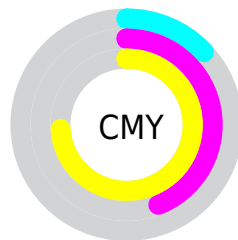
- Red (87%)
- Green (56%)
- Blue (26%)



- Red (87%)
- Yellow (84%)
- Blue (26%)



- Cyan (0%)
- Magenta (36%)
- Yellow (70%)
- Black (13%)





- Cyan (13%)
- Magenta (44%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7806, 35.2689, 9.8125 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 40.7806, 35.2689, 9.8125 by changing the saturation by 10% instead.


 40.7806, 35.2689,
9.8125


 40.7806, 35.2689,
9.8125

340.4811,
325.7537, 199.7645


 28.3346, 23.8701,
5.1708


 75.6275, 67.9021,
26.0445

 18.7198, 15.2373,
2.2874


 98.7592, 89.9053,
38.4719


 11.5708, 8.9861,
0.7241


 126.1834,
116.2121, 54.3317

 6.5222, 4.7321,
0.0000

 158.2656,
147.2069, 74.0423

 3.2088, 2.0910,
0.0000

 195.3711,
183.2740, 98.0224

 1.2651, 0.6595,
0.0000

237.8653,

 0.1569, 0.0000,

224.7979, 126.6904

0.0000

286.1135,
272.1630, 160.4650

■ 0.0000, 0.0000,
0.0000

■ 40.7806, 35.2689,
9.8125

■ 40.7806, 35.2689,
9.8125

■ 38.6406, 31.8412,
6.4728

■ 43.3491, 39.1478,
14.5481

■ 36.8903, 28.8364,
4.3608

■ 46.3749, 43.4928,
20.8177

■ 35.5036, 26.2886,
3.2030

■ 49.8866, 48.3246,
28.7448

■ 53.9093, 53.6603,
38.4395

■ 58.4664, 59.5165,
50.0025

■ 63.5794, 65.9085,
63.5266

■ 69.2687, 72.8512,
79.0987

■ 75.5536, 80.3585,
96.8002

■ 80.6636, 87.7287,
107.2896

Harmonies

Analogous

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



48.5691, 35.2689, 17.3899



40.7806, 35.2689, 9.8125



32.0735, 35.2689, 8.2587

Triad

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



40.7806, 35.2689, 9.8125



19.8439, 35.2689, 42.7673



43.7513, 35.2689, 90.1204

Complementary

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



40.7806, 35.2689, 9.8125



25.7100, 26.9888, 72.9612

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.



35.0135, 35.2689, 105.5715



40.7806, 35.2689, 9.8125



21.9560, 35.2689, 71.8241

Square

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



40.7806, 35.2689, 9.8125



20.8660, 35.2689, 22.0538



27.1803, 35.2689, 97.7609



50.4757, 35.2689, 61.3143

Rectangle

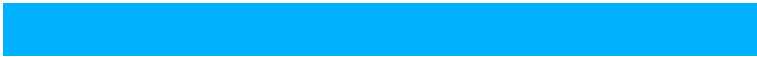
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.7806, 35.2689, 9.8125



27.0876, 35.2689, 9.8700



27.1803, 35.2689, 97.7609



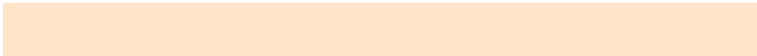
40.9023, 35.2689, 97.4954

Sweetspot

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



40.7814, 35.2707, 9.8132



79.4527, 80.7324, 66.9316



37.3076, 21.5203, 29.6274



16.6225, 16.7909, 13.3409



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.



40.7814, 35.2707, 9.8132



51.7867, 41.7186, 7.4026



56.5434, 66.7947, 15.0672



14.2557, 14.7974, 14.4116



21.1991, 15.8360, 1.9393



1.5588, 1.2765, 0.1642

Inverse Universe

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



25.7100, 26.9888, 72.9612



29.9651, 29.7046, 98.7620



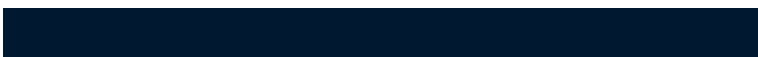
17.5354, 10.6397, 70.2364



13.5303, 14.3998, 17.4540



11.5067, 10.4830, 42.4653



0.8872, 0.9058, 2.9733

Previews

White Background



This preview shows how the XYZ color 40.7806, 35.2689, 9.8125 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 40.7806, 35.2689, 9.8125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

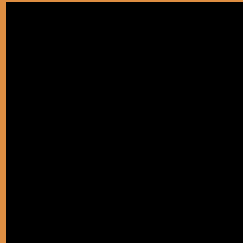
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7806, 35.2689, 9.8125

Background



This preview shows how black text looks on a background with the XYZ color 40.7806, 35.2689, 9.8125.



This preview shows how white text looks on a background with the XYZ color 40.7806, 35.2689,

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

40.7806, 35.2689, 9.8125

Protanopia

32.2747, 35.4226, 11.2671

Deuteranopia

36.1079, 35.4207, 9.6364



Tritanopia

45.2377, 35.3947, 30.8331

Trichromacy



Original Color

40.7806, 35.2689, 9.8125

Protanomaly

34.9092, 35.0227, 10.7145

Deuteranomaly

37.6853, 35.2750, 9.6730

Tritanomaly

43.1494, 35.1598, 21.0353

Monochromacy



Original Color

40.7806, 35.2689, 9.8125

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.9224, 33.7355, 23.7925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7806, 35.2689, 9.8125 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(222, 142, 66)` looks like.

```
.text, #text, p{  
    color:rgb(222, 142, 66)  
}
```

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(222, 142, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 142, 66) }
```

Border

The CSS property to change the border of an element to XYZ 40.7806, 35.2689, 9.8125 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(222, 142, 66) }
```


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

```
.border{ border-color:rgb(222, 142, 66) }
```

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

Here you see how a box with a 4 pixel rgb(222, 142, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 142, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 142, 66);  
box-shadow:4px 4px 4px 4px rgb(222, 142,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7806, 35.2689, 9.8125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 142, 66) }
```

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

```
.background{ background-color: rgb(222,  
142, 66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor