

Converting Colors

XYZ(40.9466, 28.1233, 11.7566)

Have a look what the booklet for
XYZ(40.9466, 28.1233, 11.7566)
contains.

XYZ(41.0426, 28.1735, 11.6623)	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(41.0426, 28.1735,
11.6623)**

Conversions

Conversions Part 1

Format	Color
Hex	EC6754
RGB	236, 103, 84
RGB Percent	93%, 40%, 33%
CMY	0.0745, 0.5960, 0.6706
CMYK	0.00, 0.56, 0.64, 0.07
HSL	8°, 80%, 63%
HSV	8°, 64%, 93%
XYZ	41.0426, 28.1735, 11.6623
YIQ	140.6010, 85.3670, 22.2870

Conversions

Conversions Part 2

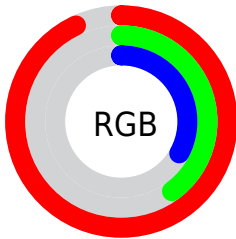
Format	Color
R _Y B	236, 106, 84
Decimal	15492948
CIE Lab	60.05, 50.14, 36.13
CIE LCh	60, 61.803, 35.776
Yxy	28.1735, 0.5075, 0.3483
Android (android.graphics.Color)	4293683028 (0xFFEC6754)
YUV	140.6010, -27.9043, 83.6649
Hunter-Lab	53.0787, 45.1356, 24.1281

Details

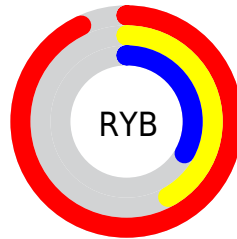
The XYZ color **41.0426, 28.1735, 11.6623** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **43.6073, 57.5625, 88.1689**, and the grayscale version is **25.2446, 26.5593, 28.9231**.

A 20% lighter version of the original color is **57.7699, 47.4350, 28.6653**, and **18.8624, 11.2525, 3.0115** is the 20% darker color. If you saturate the color by 10%, you get **38.4626, 24.2523, 6.9847**, and if you desaturate by 10%, it is **44.4422, 33.2365, 18.1491**.

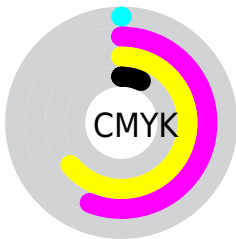
Distribution



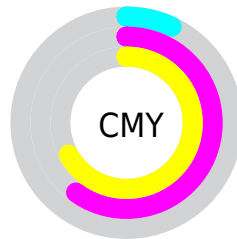
- Red (93%)
- Green (40%)
- Blue (33%)



- Red (93%)
- Yellow (42%)
- Blue (33%)



- Cyan (0%)
- Magenta (56%)
- Yellow (64%)
- Black (7%)





- Cyan (7%)
- Magenta (60%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.0426, 28.1735, 11.6623 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 41.0426, 28.1735, 11.6623 by changing the saturation by 10% instead.


 41.0426, 28.1735,
11.6623


 41.0426, 28.1735,
11.6623

341.5582,
293.2950, 213.0546


 28.5402, 18.4565,
6.3944


 76.0229, 56.7613,
29.5337

 18.8758, 11.2782,
3.0137


 99.2314, 76.4009,
42.9743


 11.6840, 6.2543,
1.1017


 126.7394,
100.1168, 59.9762

 6.5996, 3.0003,
0.0000

 158.9122,
128.2935, 80.9580

 3.2571, 1.1319,
0.0000

 196.1151,
161.3152, 106.3382

 1.2911, 0.0050,
0.0000

238.7135,

 0.1766, 0.0000,

199.5665, 136.5353

0.0000

287.0727,
243.4316, 171.9679

■ 0.0000, 0.0000,
0.0000

■ 41.0426, 28.1735,
11.6623

■ 41.0426, 28.1735,
11.6623

■ 38.4626, 24.2523,
6.9847

■ 44.4422, 33.2365,
18.1491

■ 36.6297, 21.3790,
3.9299

■ 48.7219, 39.5162,
26.6036

■ 35.4610, 19.4525,
2.2733

■ 53.9385, 47.0866,
37.1684

■ 35.0439, 18.7368,
1.7695

■ 60.1436, 56.0142,
49.9726

■ 67.3847, 66.3612,
65.1349

■ 75.7066, 78.1858,
82.7656

■ 85.1512, 91.5431,
102.9682

■ 88.4019, 96.5728,
108.5889

Harmonies

Analogous

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



44.8519, 28.1735, 26.5142



41.0426, 28.1735, 11.6623



33.4861, 28.1735, 5.6850

Triad

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



41.0426, 28.1735, 11.6623



15.2038, 28.1735, 16.0978



28.3316, 28.1735, 97.2407

Complementary

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



41.0426, 28.1735, 11.6623



43.6073, 57.5625, 88.1689

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.



21.0316, 28.1735, 89.6785



41.0426, 28.1735, 11.6623



14.3583, 28.1735, 35.2523

Square

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



41.0426, 28.1735, 11.6623



18.8631, 28.1735, 7.2254



16.2732, 28.1735, 63.6674



36.6452, 28.1735, 81.0455

Rectangle

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



41.0426, 28.1735, 11.6623



27.9093, 28.1735, 4.5646



16.2732, 28.1735, 63.6674



25.6778, 28.1735, 97.4619

Sweetspot

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



41.0433, 28.1751, 11.6628



76.1435, 73.1349, 68.8467



50.4521, 29.2495, 69.4991



15.7758, 14.9074, 13.6446



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.



41.0433, 28.1751, 11.6628



45.1292, 27.7899, 7.0756



52.0596, 50.2077, 15.3349



15.2172, 15.3575, 15.6810



19.3671, 10.4284, 0.9921



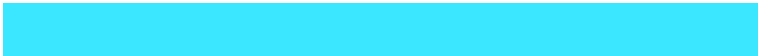
1.5700, 0.9172, 0.0943

Inverse Universe

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



43.6073, 57.5625, 88.1689



48.2541, 64.9815, 104.6072



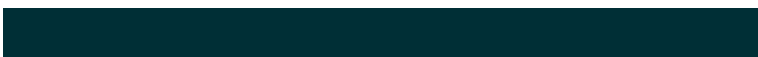
28.5093, 27.3665, 83.1362



15.3476, 16.7817, 19.3525



20.6425, 27.9319, 48.0464



1.6660, 2.2835, 3.7878

Previews

White Background



This preview shows how the XYZ color 41.0426, 28.1735, 11.6623 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 41.0426, 28.1735, 11.6623 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 41.0426, 28.1735, 11.6623

Background



This preview shows how black text looks on a background with the XYZ color 41.0426, 28.1735, 11.6623.



This preview shows how white text looks on a background with the XYZ color 41.0426, 28.1735,

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

41.0426, 28.1735, 11.6623

Protanopia

26.3303, 28.3390, 16.1388

Deuteranopia

28.7881, 28.1778, 10.9427



Tritanopia

42.0837, 28.1595, 16.8529

Trichromacy



Original Color

41.0426, 28.1735, 11.6623

Protanomaly

30.2527, 27.2125, 14.2477

Deuteranomaly

32.3348, 27.3885, 11.1717

Tritanomaly

41.7833, 28.1937, 14.7950

Monochromacy



Original Color

41.0426, 28.1735, 11.6623

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

28.8840, 25.7649, 21.2201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0426, 28.1735, 11.6623 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(236, 103, 84)` looks like.

```
.text, #text, p{  
    color:rgb(236, 103, 84)  
}
```

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(236, 103, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 103, 84) }
```

Border

The CSS property to change the border of an element to XYZ 41.0426, 28.1735, 11.6623 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(236, 103, 84) }
```


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

```
.border{ border-color:rgb(236, 103, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 103, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 103, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 103, 84);  
box-shadow:4px 4px 4px 4px rgb(236, 103,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0426, 28.1735, 11.6623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 103, 84) }
```

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

```
.background{ background-color: rgb(236,  
103, 84) }
```

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