

Converting Colors

XYZ(40.8874, 28.7995, 10.3330)

Have a look what the booklet for
XYZ(40.8874, 28.7995, 10.3330)
contains.

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Color

**XYZ(40.8582, 28.7134,
10.4100)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | EB6B4D |
| RGB | 235, 107, 77 |
| RGB Percent | 92%, 42%, 30% |
| CMY | 0.0784, 0.5804, 0.6980 |
| CMYK | 0.00, 0.54, 0.67, 0.08 |
| HSL | 11°, 80%, 61% |
| HSV | 11°, 67%, 92% |
| XYZ | 40.8582, 28.7134, 10.4100 |
| YIQ | 141.8520, 85.9180, 17.8060 |

Conversions

Conversions Part 2

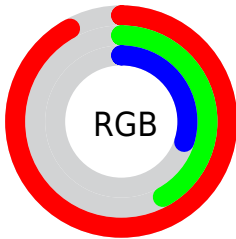
| Format | Color |
|-------------------------------------|---|
| RYB | 235, 114, 77 |
| Decimal | 15428429 |
| CIELab | 60.53, 47.49, 40.49 |
| CIElCh | 61, 62.412, 40.450 |
| Yxy | 28.7134, 0.5108, 0.3590 |
| Android (android.graphics.Color) | 4293618509 (0xFFEB6B4D) |
| YUV | 141.8520, -31.9720, 81.6908 |
| Hunter-Lab | 53.5849, 42.3318, 25.9911 |

Details

The XYZ color **40.8582, 28.7134, 10.4100** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **39.8855, 51.2351, 86.3839**, and the grayscale version is **25.7523, 27.0934, 29.5047**.

A 20% lighter version of the original color is **57.8156, 48.2820, 26.3508**, and **18.8001, 11.6215, 2.5486** is the 20% darker color. If you saturate the color by 10%, you get **38.4023, 24.8985, 6.2108**, and if you desaturate by 10%, it is **44.0519, 33.5251, 16.3334**.

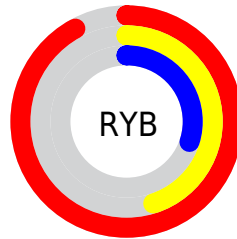
Distribution



Red (92%)

Green (42%)

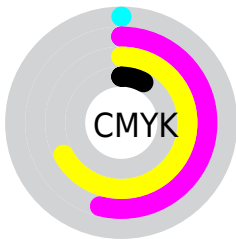
Blue (30%)



Red (92%)

Yellow (45%)

Blue (30%)

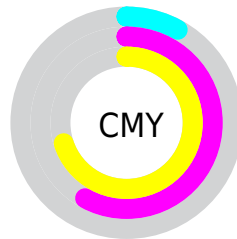


Cyan (0%)

Magenta (54%)

Yellow (67%)

Black (8%)



Cyan (8%)

Magenta (58%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8582, 28.7134, 10.4100 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 40.8582, 28.7134, 10.4100 by changing the saturation by 10% instead.


 40.8582, 28.7134,
10.4100


 40.8582, 28.7134,
10.4100

340.8003,
295.8603, 204.1638

 28.3955, 18.8641,
5.5625


 75.7447, 57.6214,
27.1836

 18.7660, 11.5721,
2.5165


 98.8991, 77.4490,
39.9469


 11.6043, 6.4531,
0.8489


 126.3482,
101.3714, 56.1857

 6.5451, 3.1225,
0.0000

 158.4572,
129.7730, 76.3188

 3.2231, 1.1960,
0.0000

 195.5916,
163.0384, 100.7646

 1.2728, 0.0584,
0.0000

238.1167,

 0.1627, 0.0000,

201.5518, 129.9417

0.0000

286.3978,
245.6976, 164.2685

■ 0.0000, 0.0000,
0.0000

■ 40.8582, 28.7134,
10.4100

■ 40.8582, 28.7134,
10.4100

■ 38.4023, 24.8985,
6.2108

■ 44.0519, 33.5251,
16.3334

■ 36.6192, 22.0040,
3.5455

■ 48.0368, 39.3931,
24.1410


■ 35.4326, 19.9487,
2.1697

■ 52.8633, 46.3778,
33.9760


■ 35.1851, 19.5108,
1.9115

■ 58.5771, 54.5336,
45.9673

■ 65.2204, 63.9111,
60.2331

 72.8328, 74.5581,
76.8828

 81.4514, 86.5199,
96.0190

 88.0707, 96.4020,
108.5734

Harmonies

Analogous

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



45.5358, 28.7134, 23.8875



40.8582, 28.7134, 10.4100



32.8100, 28.7134, 5.3230

Triad

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



40.8582, 28.7134, 10.4100



15.1413, 28.7134, 18.6442



30.1986, 28.7134, 98.3357

Complementary

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



40.8582, 28.7134, 10.4100



39.8855, 51.2351, 86.3839

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.



22.4288, 28.7134, 94.4768



40.8582, 28.7134, 10.4100



14.7159, 28.7134, 40.0214

Square

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



40.8582, 28.7134, 10.4100



18.4240, 28.7134, 8.1975



17.1188, 28.7134, 69.7850



38.6260, 28.7134, 78.6349

Rectangle

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



40.8582, 28.7134, 10.4100



27.1696, 28.7134, 4.5758



17.1188, 28.7134, 69.7850



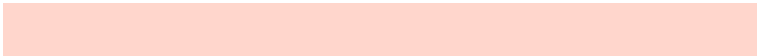
27.4132, 28.7134, 99.9210

Sweetspot

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



40.8589, 28.7150, 10.4105



76.1062, 73.5539, 67.3128



48.0593, 27.4278, 61.1746



15.8017, 15.0549, 13.3579



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.



40.8589, 28.7150, 10.4105



45.2462, 28.4038, 5.9430



52.9423, 52.8819, 14.4383



15.2970, 15.5169, 15.7075



19.6509, 10.9960, 1.0867



1.6077, 0.9927, 0.1069

Inverse Universe

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



39.8855, 51.2351, 86.3839



43.7878, 56.8545, 103.2739



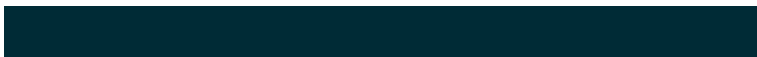
25.6498, 22.7635, 81.6386



15.2604, 16.6073, 19.3235



18.7274, 24.1017, 47.4080



1.5331, 2.0176, 3.7435

Previews

White Background



This preview shows how the XYZ color 40.8582, 28.7134, 10.4100 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 40.8582, 28.7134, 10.4100 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 40.8582, 28.7134, 10.4100

Background



This preview shows how black text looks on a background with the XYZ color 40.8582, 28.7134, 10.4100.



This preview shows how white text looks on a background with the XYZ color 40.8582, 28.7134,

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

40.8582, 28.7134, 10.4100

Protanopia

26.6644, 28.7867, 14.0485

Deuteranopia

29.3942, 28.7312, 9.7908



Tritanopia

42.5898, 28.8308, 18.0720

Trichromacy



Original Color

40.8582, 28.7134, 10.4100

Protanomaly

30.4245, 27.7392, 12.5548

Deuteranomaly

32.8794, 28.0773, 9.9899

Tritanomaly

41.7470, 28.6153, 14.8783

Monochromacy



Original Color

40.8582, 28.7134, 10.4100

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

29.0248, 26.2386, 20.6743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8582, 28.7134, 10.4100 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(235, 107, 77)` looks like.

```
.text, #text, p{  
    color:rgb(235, 107, 77)  
}
```

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(235, 107, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 107, 77) }
```

Border

The CSS property to change the border of an element to XYZ 40.8582, 28.7134, 10.4100 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(235, 107, 77) }
```


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

```
.border{ border-color:rgb(235, 107, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 107, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 107, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 107, 77);  
box-shadow:4px 4px 4px 4px rgb(235, 107,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8582, 28.7134, 10.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 107, 77) }
```

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

```
.background{ background-color: rgb(235,  
107, 77) }
```

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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