

Converting Colors

XYZ(40.8333, 29.7787, 6.9639)

Have a look what the booklet for
XYZ(40.8333, 29.7787, 6.9639)
contains.

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Color

**XYZ(40.8087, 29.7295,
6.9557)**

Conversions

Conversions Part 1

Format	Color
Hex	EB7135
RGB	235, 113, 53
RGB Percent	92%, 44%, 21%
CMY	0.0784, 0.5568, 0.7921
CMYK	0.00, 0.52, 0.77, 0.08
HSL	20°, 82%, 56%
HSV	20°, 77%, 92%
XYZ	40.8087, 29.7295, 6.9557
YIQ	142.6380, 91.9720, 7.2040

Conversions

Conversions Part 2

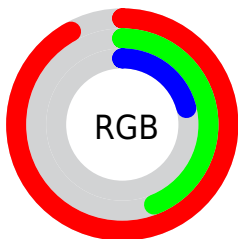
Format	Color
R_{YB}	235, 143, 53
Decimal	15429941
CIE Lab	61.42, 43.50, 53.53
CIE LCh	61, 68.975, 50.906
Yxy	29.7295, 0.5266, 0.3836
Android (android.graphics.Color)	4293620021 (0xFFEB7135)
YUV	142.6380, -44.1915, 81.0015
Hunter-Lab	54.5248, 38.1788, 30.6037

Details

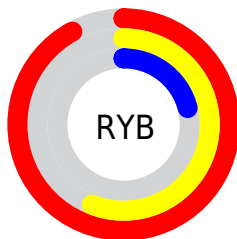
The XYZ color **40.8087, 29.7295, 6.9557** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **31.7923, 37.4124, 84.1424**, and the grayscale version is **26.1100, 27.4697, 29.9145**.

A 20% lighter version of the original color is **57.5069, 49.8767, 19.4282**, and **18.6820, 12.1081, 1.3525** is the 20% darker color. If you saturate the color by 10%, you get **38.7871, 26.3501, 4.2370**, and if you desaturate by 10%, it is **43.4014, 33.8282, 11.1713**.

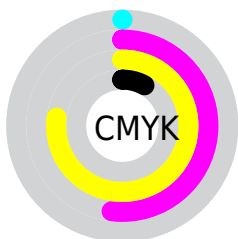
Distribution



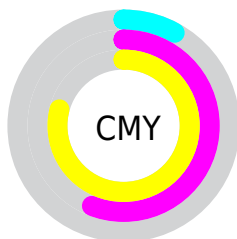
- Red (92%)
- Green (44%)
- Blue (21%)



- Red (92%)
- Yellow (56%)
- Blue (21%)



- Cyan (0%)
- Magenta (52%)
- Yellow (77%)
- Black (8%)





- Cyan (8%)
- Magenta (56%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8087, 29.7295, 6.9557 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 40.8087, 29.7295, 6.9557 by changing the saturation by 10% instead.


 40.8087, 29.7295,
6.9557


 40.8087, 29.7295,
6.9557


340.5967,
300.6416, 176.9120

 28.3566, 19.6334,
3.3564


 75.6700, 59.2341,
20.3954


 18.7365, 12.1288,
1.2794


 98.8099, 79.4114,
31.0728


 11.5829, 6.8315,
0.0448


 126.2431,
103.7179, 44.9467

 6.5305, 3.3569,
0.0000

 158.3350,
132.5379, 62.4356

 3.2140, 1.3208,
0.0000

 195.4510,
166.2559, 83.9581

 1.2679, 0.1572,
0.0000

 237.9564,

 0.1590, 0.0000,

205.2562, 109.9326

0.0000

286.2165,
249.9233, 140.7777

■ 0.0000, 0.0000,
0.0000

■ 40.8087, 29.7295,
6.9557

■ 40.8087, 29.7295,
6.9557

■ 38.7871, 26.3501,
4.2370

■ 43.4014, 33.8282,
11.1713

■ 37.2736, 23.6353,
2.7699


■ 46.6120, 38.6840,
17.0671


■ 36.9484, 23.0374,
2.4993

■ 50.4839, 44.3377,
24.8013

■ 55.0556, 50.8253,
34.5130

■ 60.3625, 58.1804,
46.3280

 66.4372, 66.4346,
60.3615

 73.3105, 75.6181,
76.7201

 81.0112, 85.7592,
95.5037

 87.9987, 96.2581,
108.5494

Harmonies

Analogous

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



47.9889, 29.7295, 17.5631



40.8087, 29.7295, 6.9557



31.1179, 29.7295, 3.8029

Triad

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



40.8087, 29.7295, 6.9557



14.2466, 29.7295, 25.0691



34.9817, 29.7295, 105.5162

Complementary

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



40.8087, 29.7295, 6.9557



31.7923, 37.4124, 84.1424

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.



25.5771, 29.7295, 111.5017



40.8087, 29.7295, 6.9557



14.8460, 29.7295, 53.7809

Square

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



40.8087, 29.7295, 6.9557



16.7232, 29.7295, 9.9179



18.5855, 29.7295, 89.0224



44.1537, 29.7295, 75.4449

Rectangle

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



40.8087, 29.7295, 6.9557



25.0700, 29.7295, 3.8693



18.5855, 29.7295, 89.0224



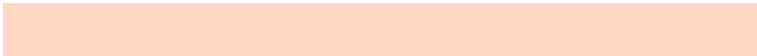
31.7033, 29.7295, 110.8745

Sweetspot

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



40.8094, 29.7311, 6.9562



75.7195, 74.2132, 62.7674



43.5063, 23.3974, 44.0100



15.6573, 15.1341, 12.1754



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.



40.8094, 29.7311, 6.9562



45.5345, 29.6763, 3.8940



55.9379, 59.9882, 11.9990



15.4711, 15.8653, 15.7656



20.6676, 13.0295, 1.4256



1.7080, 1.1934, 0.1403

Inverse Universe

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



31.7923, 37.4124, 84.1424



33.9813, 38.7164, 100.2897



19.8209, 13.4696, 80.1519



15.0749, 16.2363, 19.2616



15.2264, 17.0998, 46.2410



1.2830, 1.5175, 3.6602

Previews

White Background



This preview shows how the XYZ color 40.8087, 29.7295, 6.9557 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 40.8087, 29.7295, 6.9557 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 40.8087, 29.7295, 6.9557

Background



This preview shows how black text looks on a background with the XYZ color 40.8087, 29.7295, 6.9557.



This preview shows how white text looks on a background with the XYZ color 40.8087, 29.7295,

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

40.8087, 29.7295, 6.9557

Protanopia

27.1617, 29.8531, 9.0333

Deuteranopia

30.4730, 29.7964, 6.5281



Tritanopia

43.4512, 29.7001, 19.3622

Trichromacy



Original Color

40.8087, 29.7295, 6.9557

Protanomaly

30.8288, 28.8712, 8.0855

Deuteranomaly

33.5312, 29.2752, 6.5727

Tritanomaly

42.3255, 29.7145, 13.6299

Monochromacy



Original Color

40.8087, 29.7295, 6.9557

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.9702, 26.8584, 18.4091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8087, 29.7295, 6.9557 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, 113, 53)` looks like.

```
.text, #text, p{  
    color:rgb(235, 113, 53)  
}
```

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, 113, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 113, 53) }
```

Border

The CSS property to change the border of an element to XYZ 40.8087, 29.7295, 6.9557 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, 113, 53) }
```


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

```
.border{ border-color:rgb(235, 113, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 113, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 113, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 113, 53);  
box-shadow:4px 4px 4px 4px rgb(235, 113,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8087, 29.7295, 6.9557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 113, 53) }
```

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

```
.background{ background-color: rgb(235,  
113, 53) }
```

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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