

Converting Colors

XYZ(36.8893, 29.0060, 7.8209)

Have a look what the booklet for
XYZ(36.8893, 29.0060, 7.8209)
contains.

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Color

**XYZ(36.8402, 29.0506,
7.8033)**

Conversions

Conversions Part 1

Format	Color
Hex	DB793B
RGB	219, 121, 59
RGB Percent	86%, 47%, 23%
CMY	0.1412, 0.5255, 0.7686
CMYK	0.00, 0.45, 0.73, 0.14
HSL	23°, 69%, 55%
HSV	23°, 73%, 86%
XYZ	36.8402, 29.0506, 7.8033
YIQ	143.2340, 78.3100, 1.4940

Conversions

Conversions Part 2

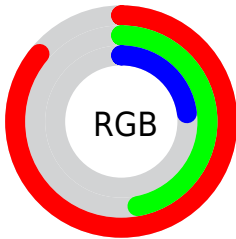
Format	Color
R _Y B	219, 160, 59
Decimal	14383419
CIE Lab	60.83, 33.41, 49.38
CIE LCh	61, 59.623, 55.922
Yxy	29.0506, 0.4999, 0.3942
Android (android.graphics.Color)	4292573499 (0xFFDB793B)
YUV	143.2340, -41.5274, 66.4468
Hunter-Lab	53.8986, 27.6838, 29.1452

Details

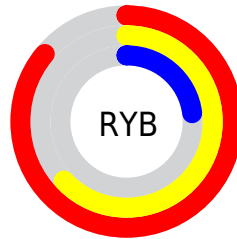
The XYZ color **36.8402, 29.0506, 7.8033** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **26.6458, 30.1563, 71.4337**, and the grayscale version is **26.3417, 27.7135, 30.1801**.

A 20% lighter version of the original color is **59.1364, 52.6362, 21.5110**, and **16.3812, 11.7865, 1.5552** is the 20% darker color. If you saturate the color by 10%, you get **34.8686, 25.8338, 4.9073**, and if you desaturate by 10%, it is **39.2779, 32.8190, 12.0298**.

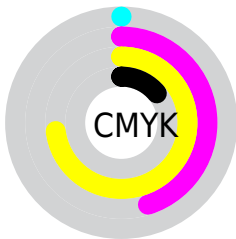
Distribution



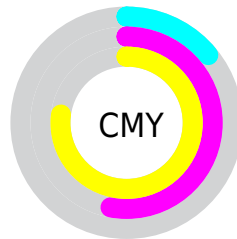
- Red (86%)
- Green (47%)
- Blue (23%)



- Red (86%)
- Yellow (63%)
- Blue (23%)



- Cyan (0%)
- Magenta (45%)
- Yellow (73%)
- Black (14%)





- Cyan (14%)
- Magenta (53%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8402, 29.0506, 7.8033 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 36.8402, 29.0506, 7.8033 by changing the saturation by 10% instead.


 36.8402, 29.0506,
7.8033


 36.8402, 29.0506,
7.8033


323.9857,
297.4536, 184.0576


 25.2569, 19.1191,
3.8834


 69.6424, 58.1575,
22.1117

 16.3983, 11.7564,
1.5616


 91.5920, 78.1016,
33.3372


 9.8991, 6.5780,
0.2632


 117.7277,
102.1521, 47.8351

 5.3938, 3.1996,
0.0000

 148.4149,
130.6934, 66.0238

 2.5173, 1.2368,
0.0000

 184.0189,
164.1098, 88.3218

 0.9040, 0.0915,
0.0000

 224.9052,

 0.0000, 0.0000,

202.7857, 115.1478

0.0000

271.4390,
247.1055, 146.9202

■ 36.8402, 29.0506,
7.8033

■ 36.8402, 29.0506,
7.8033

■ 34.8686, 25.8338,
4.9073

■ 39.2779, 32.8190,
12.0298

■ 33.3197, 23.1327,
3.1684


■ 42.2151, 37.1626,
17.7280


■ 32.4515, 21.5366,
2.4466


■ 45.6836, 42.1086,
25.0222


■ 49.7120, 47.6812,
34.0234

■ 54.3263, 53.9027,
44.8322

 59.5511, 60.7946,
57.5414

 65.4091, 68.3771,
72.2375

 71.9222, 76.6695,
89.0016

 78.9329, 85.6193,
106.9737

Harmonies

Analogous

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



43.3152, 29.0506, 16.3922



36.8402, 29.0506, 7.8033



28.6861, 29.0506, 5.2918

Triad

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



36.8402, 29.0506, 7.8033



15.2468, 29.0506, 28.6895



34.6581, 29.0506, 87.6993

Complementary

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



36.8402, 29.0506, 7.8033



26.6458, 30.1563, 71.4337

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.



26.5645, 29.0506, 96.2294



36.8402, 29.0506, 7.8033



16.2527, 29.0506, 54.2182

Square

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



36.8402, 29.0506, 7.8033



17.0091, 29.0506, 13.2264



20.0695, 29.0506, 81.8393



41.8988, 29.0506, 62.1091

Rectangle

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



36.8402, 29.0506, 7.8033



23.7191, 29.0506, 5.7702



20.0695, 29.0506, 81.8393



31.9085, 29.0506, 93.0519

Sweetspot

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



36.8409, 29.0521, 7.8038



77.2989, 76.9023, 64.7415



36.9202, 20.6452, 34.2367



16.1414, 15.9215, 12.8946



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.



36.8409, 29.0521, 7.8038



47.9092, 34.2111, 5.3472



50.7341, 56.8387, 12.4349



13.4678, 13.8749, 13.6939



19.3412, 12.9679, 1.4837



1.3351, 1.0043, 0.1235

Inverse Universe

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



26.6458, 30.1563, 71.4337



32.6125, 35.5239, 99.7457



17.2907, 11.4460, 68.3153



12.9992, 13.9381, 16.6573



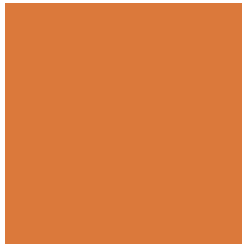
12.7564, 13.3822, 41.6491



0.9091, 1.0323, 2.7258

Previews

White Background



This preview shows how the XYZ color 36.8402, 29.0506, 7.8033 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 36.8402, 29.0506, 7.8033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

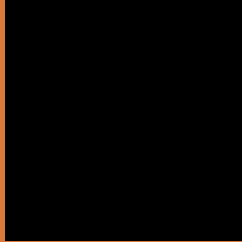
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.8402, 29.0506, 7.8033

Background



This preview shows how black text looks on a background with the XYZ color 36.8402, 29.0506, 7.8033.



This preview shows how white text looks on a background with the XYZ color 36.8402, 29.0506,

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

36.8402, 29.0506, 7.8033

Protanopia

26.5511, 29.0592, 9.5198

Deuteranopia

29.8111, 29.2129, 7.5575



Tritanopia

39.6544, 28.9694, 21.9140

Trichromacy



Original Color

36.8402, 29.0506, 7.8033

Protanomaly

29.5423, 28.6144, 8.8166

Deuteranomaly

32.1273, 28.9309, 7.6323

Tritanomaly

38.4322, 28.9956, 15.3755

Monochromacy



Original Color

36.8402, 29.0506, 7.8033

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.3832, 27.1557, 19.0749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8402, 29.0506, 7.8033 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(219, 121, 59)` looks like.

```
.text, #text, p{  
    color:rgb(219, 121, 59)  
}
```

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(219, 121, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 121, 59) }
```

Border

The CSS property to change the border of an element to XYZ 36.8402, 29.0506, 7.8033 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(219, 121, 59) }
```


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

```
.border{ border-color:rgb(219, 121, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 121, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 121, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 121, 59);  
box-shadow:4px 4px 4px 4px rgb(219, 121,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8402, 29.0506, 7.8033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 121, 59) }
```

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

```
.background{ background-color: rgb(219,  
121, 59) }
```

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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