

Converting Colors

XYZ(37.3231, 24.6797, 7.6616)

Have a look what the booklet for
XYZ(37.3231, 24.6797, 7.6616)
contains.

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Color

**XYZ(37.2996, 24.6753,
7.6474)**

Conversions

Conversions Part 1

Format	Color
Hex	E65B40
RGB	230, 91, 64
RGB Percent	90%, 36%, 25%
CMY	0.0980, 0.6431, 0.7490
CMYK	0.00, 0.60, 0.72, 0.10
HSL	10°, 77%, 58%
HSV	10°, 72%, 90%
XYZ	37.2996, 24.6753, 7.6474
YIQ	129.4830, 91.5110, 21.0710

Conversions

Conversions Part 2

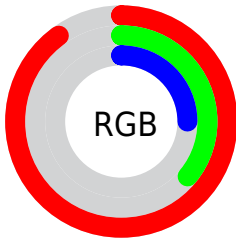
Format	Color
RYB	230, 96, 64
Decimal	15096640
CIELab	56.76, 52.45, 42.93
CIElCh	57, 67.780, 39.295
Yxy	24.6753, 0.5357, 0.3544
Android (android.graphics.Color)	4293286720 (0xFFE65B40)
YUV	129.4830, -32.2831, 88.1534
Hunter-Lab	49.6742, 47.1029, 25.6442

Details

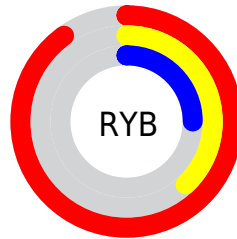
The XYZ color **37.2996, 24.6753, 7.6474** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **37.7512, 49.5111, 82.4293**, and the grayscale version is **21.1242, 22.2243, 24.2023**.

A 20% lighter version of the original color is **54.4995, 43.0100, 21.0521**, and **16.6176, 9.4032, 1.5114** is the 20% darker color. If you saturate the color by 10%, you get **35.3344, 21.5855, 4.4020**, and if you desaturate by 10%, it is **39.9580, 28.7205, 12.4546**.

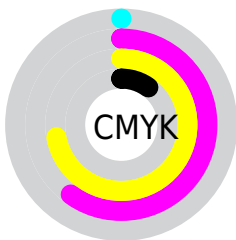
Distribution



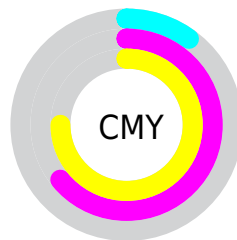
- Red (90%)
- Green (36%)
- Blue (25%)



- Red (90%)
- Yellow (38%)
- Blue (25%)



- Cyan (0%)
- Magenta (60%)
- Yellow (72%)
- Black (10%)





- Cyan (10%)
- Magenta (64%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2996, 24.6753, 7.6474 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 37.2996, 24.6753, 7.6474 by changing the saturation by 10% instead.

 37.2996, 24.6753,
7.6474


 37.2996, 24.6753,
7.6474

325.9389,
276.2170, 182.7697


 25.6143, 15.8353,
3.7856


 70.3442, 51.1300,
21.7989

 16.6665, 9.4077,
1.5085


 92.4341, 69.5134,
32.9257


 10.0908, 5.0080,
0.2242


 118.7230, 91.8469,
47.3113

 5.5219, 2.2520,
0.0000

 149.5762,
118.5146, 65.3742

 2.5945, 0.7481,
0.0000

 185.3590,
149.9011, 87.5330

 0.9432, 0.0000,
0.0000

 226.4368,

 0.0000, 0.0000,

186.3908, 114.2061

0.0000

273.1750,
228.3679, 145.8122

■ 37.2996, 24.6753,
7.6474

■ 37.2996, 24.6753,
7.6474

■ 35.3344, 21.5855,
4.4020

■ 39.9580, 28.7205,
12.4546

■ 33.9922, 19.3668,
2.5189


■ 43.3669, 33.7877,
18.9881


■ 33.3076, 18.1723,
1.7521


■ 47.5796, 39.9424,
27.3926


■ 52.6438, 47.2433,
37.7971

■ 58.6033, 55.7448,
50.3193

 65.4990, 65.4980,
65.0678

 73.3694, 76.5507,
82.1434

 82.2504, 88.9485,
101.6411

 86.4429, 95.5629,
108.4972

Harmonies

Analogous

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



41.8886, 24.6753, 20.4288



37.2996, 24.6753, 7.6474



29.2508, 24.6753, 3.2503

Triad

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



37.2996, 24.6753, 7.6474



11.9105, 24.6753, 14.2238



25.9961, 24.6753, 96.8371

Complementary

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



37.2996, 24.6753, 7.6474



37.7512, 49.5111, 82.4293

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.



18.4771, 24.6753, 91.6643



37.2996, 24.6753, 7.6474



11.4194, 24.6753, 34.5334

Square

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



37.2996, 24.6753, 7.6474



15.0806, 24.6753, 5.2924



13.5434, 24.6753, 64.9635



34.4622, 24.6753, 76.6285

Rectangle

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



37.2996, 24.6753, 7.6474



23.6407, 24.6753, 2.6104



13.5434, 24.6753, 64.9635



23.2666, 24.6753, 98.1799

Sweetspot

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



37.3002, 24.6767, 7.6478



74.0997, 70.5040, 63.6751



45.4978, 24.9024, 60.2293



15.3958, 14.4302, 12.6461



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.



37.3002, 24.6767, 7.6478



43.6598, 25.6570, 4.1011



48.2918, 46.6600, 11.3117



14.5655, 14.7448, 14.9828



18.9154, 10.4050, 1.0114



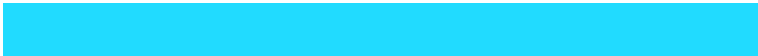
1.4553, 0.8839, 0.0939

Inverse Universe

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



37.7512, 49.5111, 82.4293



43.9889, 58.1596, 103.5152



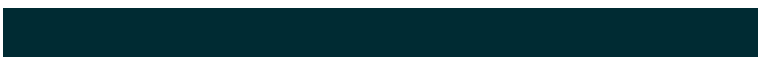
23.3691, 20.7469, 77.6352



14.5973, 15.9161, 18.4471



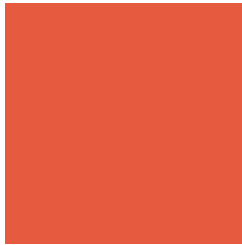
18.9063, 24.8747, 46.1880



1.4506, 1.9452, 3.4310

Previews

White Background



This preview shows how the XYZ color 37.2996, 24.6753, 7.6474 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 37.2996, 24.6753, 7.6474 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 37.2996, 24.6753, 7.6474

Background



This preview shows how black text looks on a background with the XYZ color 37.2996, 24.6753, 7.6474.



This preview shows how white text looks on a background with the XYZ color 37.2996, 24.6753,

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

37.2996, 24.6753, 7.6474

Protanopia

22.9346, 24.9399, 11.0022

Deuteranopia

25.2740, 24.7968, 7.1956



Tritanopia

38.3390, 24.5956, 13.0827

Trichromacy



Original Color

37.2996, 24.6753, 7.6474

Protanomaly

26.5429, 23.5111, 9.6177

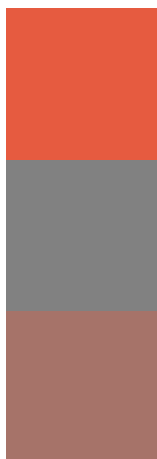
Deuteranomaly

28.7730, 24.0130, 7.2561

Tritanomaly

37.9677, 24.5776, 10.7255

Monochromacy



Original Color

37.2996, 24.6753, 7.6474

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

24.4064, 21.3884, 16.2066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2996, 24.6753, 7.6474 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(230, 91, 64)` looks like.

```
.text, #text, p{  
    color:rgb(230, 91, 64)  
}
```

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(230, 91, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 91, 64) }
```

Border

The CSS property to change the border of an element to XYZ 37.2996, 24.6753, 7.6474 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(230, 91, 64) }
```


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

```
.border{ border-color:rgb(230, 91, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 91, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 91, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 91, 64);  
box-shadow:4px 4px 4px 4px rgb(230, 91,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2996, 24.6753, 7.6474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 91, 64) }
```

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

```
.background{ background-color: rgb(230, 91,  
64) }
```

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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