

Converting Colors

XYZ(37.1176, 24.7696, 6.9091)

Have a look what the booklet for
XYZ(37.1176, 24.7696, 6.9091)
contains.

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Color

**XYZ(37.2497, 24.7931,
6.9599)**

Conversions

Conversions Part 1

Format	Color
Hex	E65C3B
RGB	230, 92, 59
RGB Percent	90%, 36%, 23%
CMY	0.0980, 0.6392, 0.7686
CMYK	0.00, 0.60, 0.74, 0.10
HSL	12°, 77%, 57%
HSV	12°, 74%, 90%
XYZ	37.2497, 24.7931, 6.9599
YIQ	129.5000, 92.8410, 18.9930

Conversions

Conversions Part 2

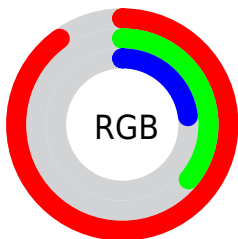
Format	Color
R _Y B	230, 100, 59
Decimal	15096891
CIE Lab	56.87, 51.79, 45.68
CIE LCh	57, 69.057, 41.409
Yxy	24.7931, 0.5398, 0.3593
Android (android.graphics.Color)	4293286971 (0xFFE65C3B)
YUV	129.5000, -34.7565, 88.1385
Hunter-Lab	49.7927, 46.3980, 26.5675

Details

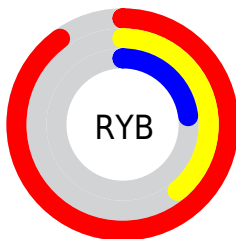
The XYZ color **37.2497, 24.7931, 6.9599** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **36.0507, 46.5714, 81.9515**, and the grayscale version is **21.1384, 22.2393, 24.2186**.

A 20% lighter version of the original color is **54.3805, 43.2101, 19.6616**, and **16.5978, 9.4417, 1.2642** is the 20% darker color. If you saturate the color by 10%, you get **35.3635, 21.7745, 4.0082**, and if you desaturate by 10%, it is **39.7935, 28.7072, 11.4265**.

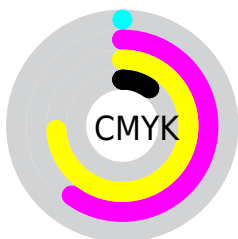
Distribution



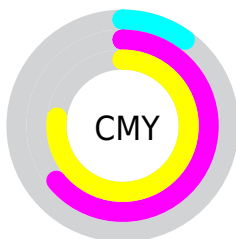
- Red (90%)
- Green (36%)
- Blue (23%)



- Red (90%)
- Yellow (39%)
- Blue (23%)



- Cyan (0%)
- Magenta (60%)
- Yellow (74%)
- Black (10%)




- Cyan (10%)
- Magenta (64%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2497, 24.7931, 6.9599 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 37.2497, 24.7931, 6.9599 by changing the saturation by 10% instead.

 37.2497, 24.7931,
6.9599


 37.2497, 24.7931,
6.9599


325.7271,
276.8060, 176.9484


 25.5754, 15.9230,
3.3590


 70.2680, 51.3214,
20.4040

 16.6373, 9.4697,
1.2807


 92.3428, 69.7483,
31.0842


 10.0699, 5.0488,
0.0459


 118.6150, 92.1296,
44.9613

 5.5080, 2.2759,
0.0000

 149.4502,
118.8498, 62.4538

 2.5861, 0.7609,
0.0000

 185.2137,
150.2931, 83.9802

 0.9389, 0.0000,
0.0000

 226.2707,

 0.0000, 0.0000,

186.8439, 109.9591

0.0000

272.9868,
228.8868, 140.8089

■ 37.2497, 24.7931,
6.9599

■ 37.2497, 24.7931,
6.9599

■ 35.3635, 21.7745,
4.0082

■ 39.7935, 28.7072,
11.4265

■ 34.0664, 19.5737,
2.3634


■ 43.0500, 33.5774,
17.5769


■ 33.5484, 18.6540,
1.8324


■ 47.0705, 39.4640,
25.5587


■ 51.9005, 46.4206,
35.5030

■ 57.5822, 54.4974,
47.5288

 64.1545, 63.7411,
61.7455

 71.6540, 74.1958,
78.2551

 80.1153, 85.9034,
97.1527

 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.



42.3195, 24.7931, 19.1129



37.2497, 24.7931, 6.9599



28.8755, 24.7931, 2.9679

Triad

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



37.2497, 24.7931, 6.9599



11.6902, 24.7931, 15.1460



26.7753, 24.7931, 98.3576

Complementary

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



37.2497, 24.7931, 6.9599



36.0507, 46.5714, 81.9515

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.



18.9493, 24.7931, 94.9801



37.2497, 24.7931, 6.9599



11.3773, 24.7931, 36.7927

Square

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



37.2497, 24.7931, 6.9599



14.7073, 24.7931, 5.4819



13.7247, 24.7931, 68.4377



35.4127, 24.7931, 76.0326

Rectangle

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



37.2497, 24.7931, 6.9599



23.1849, 24.7931, 2.4688



13.7247, 24.7931, 68.4377



23.9494, 24.7931, 100.4227

Sweetspot

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



37.2503, 24.7945, 6.9603



74.5170, 71.3384, 63.8142



44.4650, 24.0582, 56.1199



15.4925, 14.6237, 12.6783



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.



37.2503, 24.7945, 6.9603



43.7584, 25.9605, 3.8063



48.9182, 48.1304, 10.8496



14.6010, 14.8160, 14.9947



19.0602, 10.6945, 1.0597



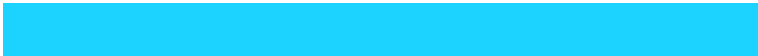
1.4721, 0.9175, 0.0995

Inverse Universe

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



36.0507, 46.5714, 81.9515



41.8721, 54.1513, 102.8531



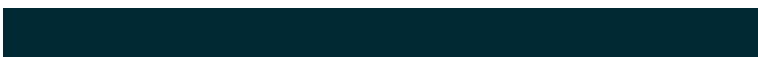
22.0084, 18.4868, 77.2707



14.5586, 15.8387, 18.4342



18.0661, 23.1943, 45.9079



1.3959, 1.8357, 3.4127

Previews

White Background



This preview shows how the XYZ color 37.2497, 24.7931, 6.9599 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 37.2497, 24.7931, 6.9599 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 37.2497, 24.7931, 6.9599

Background



This preview shows how black text looks on a background with the XYZ color 37.2497, 24.7931, 6.9599.



This preview shows how white text looks on a background with the XYZ color 37.2497, 24.7931,

6.9599.

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

37.2497, 24.7931, 6.9599

Protanopia

22.9108, 24.9517, 9.9120

Deuteranopia

25.3529, 24.8535, 6.4786



Tritanopia

38.4205, 24.7587, 13.1098

Trichromacy



Original Color

37.2497, 24.7931, 6.9599

Protanomaly

26.7032, 23.7954, 8.6544

Deuteranomaly

28.6262, 23.9543, 6.4830

Tritanomaly

38.0126, 24.7278, 10.5540

Monochromacy



Original Color

37.2497, 24.7931, 6.9599

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

24.4700, 21.5972, 15.9757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2497, 24.7931, 6.9599 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, 92, 59)` looks like.

```
.text, #text, p{  
    color:rgb(230, 92, 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(230, 92, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 92, 59) }
```

Border

The CSS property to change the border of an element to XYZ 37.2497, 24.7931, 6.9599 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, 92, 59) }
```


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

```
.border{ border-color:rgb(230, 92, 59) }
```

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

Here you see how a box with a 4 pixel rgb(230, 92, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 92, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 92, 59);  
box-shadow:4px 4px 4px 4px rgb(230, 92,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2497, 24.7931, 6.9599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 92, 59) }
```

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

```
.background{ background-color: rgb(230, 92,  
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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