

Converting Colors

XYZ(35.9028, 22.7934, 3.4781)

Have a look what the booklet for
XYZ(35.9028, 22.7934, 3.4781)
contains.

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Color

**XYZ(36.0101, 22.8008,
3.4803)**

Conversions

Conversions Part 1

Format	Color
Hex	E7501A
RGB	231, 80, 26
RGB Percent	91%, 31%, 10%
CMY	0.0941, 0.6862, 0.8980
CMYK	0.00, 0.65, 0.89, 0.09
HSL	16°, 81%, 50%
HSV	16°, 89%, 91%
XYZ	36.0101, 22.8008, 3.4803
YIQ	118.9930, 107.3300, 15.2180

Conversions

Conversions Part 2

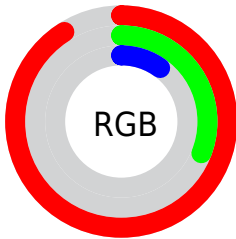
Format	Color
R _Y B	231, 99, 26
Decimal	15159322
CIE Lab	54.87, 56.34, 58.71
CIE LCh	55, 81.370, 46.182
Yxy	22.8008, 0.5781, 0.3660
Android (android.graphics.Color)	4293349402 (0xFFE7501A)
YUV	118.9930, -45.8455, 98.2301
Hunter-Lab	47.7502, 51.0503, 29.1037

Details

The XYZ color **36.0101, 22.8008, 3.4803** 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 **30.5701, 37.4298, 81.2142**, and the grayscale version is **17.6503, 18.5695, 20.2221**.

A 20% lighter version of the original color is **51.4193, 39.4184, 12.1061**, and **16.0803, 8.5033, 0.7938** is the 20% darker color. If you saturate the color by 10%, you get **34.7479, 20.5497, 2.2184**, and if you desaturate by 10%, it is **37.7882, 25.7652, 5.8985**.

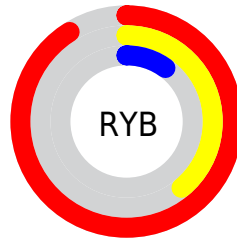
Distribution



Red (91%)

Green (31%)

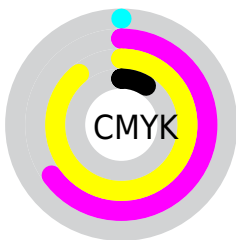
Blue (10%)



Red (91%)

Yellow (39%)

Blue (10%)

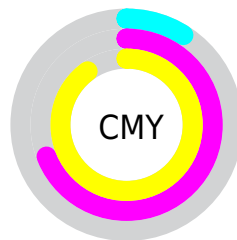


Cyan (0%)

Magenta (65%)

Yellow (89%)

Black (9%)



Cyan (9%)


Magenta (69%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0101, 22.8008, 3.4803 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 36.0101, 22.8008, 3.4803 by changing the saturation by 10% instead.


 36.0101, 22.8008,
3.4803

 36.0101, 22.8008,
3.4803


320.4352,
266.7002, 142.2608


 24.6121, 14.4465,
1.3448


 68.3714, 48.0660,
12.7922

 15.9155, 8.4319,
0.0981


 90.0655, 65.7457,
20.8058


 9.5549, 4.3725,
0.0000


 115.9223, 87.3027,
31.6157

 5.1648, 1.8840,
0.0000

 146.3073,
113.1213, 45.6407

 2.3800, 0.5388,
0.0000

 181.5857,
143.5860, 63.2991


 0.8352, 0.0000,
0.0000


 222.1229,


 0.0000, 0.0000,


179.0811, 85.0096


0.0000


 268.2842,
219.9910, 111.1906


 36.0101, 22.8008,
3.4803


 36.0101, 22.8008,
3.4803


 34.7479, 20.5497,
2.2184


 37.7882, 25.7652,
5.8985

 34.6159, 20.3112,
2.0960

 40.1526, 29.5025,
9.7437

 43.1573, 34.0671,
15.1994

 46.8489, 39.5069,
22.4212

 51.2694, 45.8660,
31.5461

■ 56.4573, 53.1854,
42.6974

■ 62.4480, 61.5034,
55.9881

■ 69.2749, 70.8564,
71.5227

■ 76.9693, 81.2787,
89.3989

Harmonies

Analogous

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



42.9222, 22.8008, 13.4100



36.0101, 22.8008, 3.4803



26.0766, 22.8008, 1.0949

Triad

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



36.0101, 22.8008, 3.4803



8.8290, 22.8008, 14.7642



26.8652, 22.8008, 109.4224

Complementary

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



36.0101, 22.8008, 3.4803



30.5701, 37.4298, 81.2142

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.



17.7926, 22.8008, 110.8523



36.0101, 22.8008, 3.4803



8.9311, 22.8008, 41.3734

Square

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



36.0101, 22.8008, 3.4803



11.4232, 22.8008, 3.8856



11.7560, 22.8008, 80.5662



36.7235, 22.8008, 77.4360

Rectangle

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



36.0101, 22.8008, 3.4803



19.8595, 22.8008, 0.9579



11.7560, 22.8008, 80.5662



23.5905, 22.8008, 113.9917

Sweetspot

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



36.0106, 22.8021, 3.4807



71.7805, 68.1348, 55.9061



41.5369, 21.0127, 44.9131



14.8514, 13.8664, 10.8464



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.



36.0106, 22.8021, 3.4807



43.2580, 25.2960, 2.6027



49.4120, 49.6050, 7.9478



14.6842, 14.9824, 15.0224



19.4926, 11.5594, 1.2038



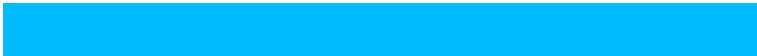
1.5148, 1.0029, 0.1137

Inverse Universe

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



30.5701, 37.4298, 81.2142



35.9944, 43.1088, 101.0315



17.5212, 11.3321, 76.8646



14.4693, 15.6601, 18.4044



16.2661, 19.5944, 45.3079



1.2768, 1.5975, 3.3730

Previews

White Background



This preview shows how the XYZ color 36.0101, 22.8008, 3.4803 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 36.0101, 22.8008, 3.4803 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 36.0101, 22.8008, 3.4803

Background



This preview shows how black text looks on a background with the XYZ color 36.0101, 22.8008, 3.4803.



This preview shows how white text looks on a background with the XYZ color 36.0101, 22.8008,

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

36.0101, 22.8008, 3.4803

Protanopia

20.8302, 22.9449, 5.2504

Deuteranopia

23.2700, 22.8827, 3.1903



Tritanopia

37.2061, 22.7525, 9.8278

Trichromacy



Original Color

36.0101, 22.8008, 3.4803

Protanomaly

24.5540, 21.3907, 4.3481

Deuteranomaly

26.7532, 21.9042, 3.0763

Tritanomaly

36.7482, 22.7898, 6.7370

Monochromacy



Original Color

36.0101, 22.8008, 3.4803

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

21.1885, 18.2326, 10.9968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0101, 22.8008, 3.4803 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(231, 80, 26)` looks like.

```
.text, #text, p{  
    color:rgb(231, 80, 26)  
}
```

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(231, 80, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 80, 26) }
```

Border

The CSS property to change the border of an element to XYZ 36.0101, 22.8008, 3.4803 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(231, 80, 26) }
```


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

```
.border{ border-color:rgb(231, 80, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 80, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 80, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 80, 26);  
box-shadow:4px 4px 4px 4px rgb(231, 80,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0101, 22.8008, 3.4803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 80, 26) }
```

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

```
.background{ background-color: rgb(231, 80,  
26) }
```

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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