

Converting Colors

XYZ(31.0976, 16.0045, 2.6714)

Have a look what the booklet for
XYZ(31.0976, 16.0045, 2.6714)
contains.

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Color

**XYZ(30.9748, 15.9410,
2.6727)**

Conversions

Conversions Part 1

Format	Color
Hex	E0001E
RGB	224, 0, 30
RGB Percent	88%, 0%, 12%
CMY	0.1216, 0.9998, 0.8823
CMYK	0.00, 1.00, 0.87, 0.12
HSL	352°, 100%, 44%
HSV	352°, 100%, 88%
XYZ	30.9748, 15.9410, 2.6727
YIQ	70.3960, 123.8740, 56.8180

Conversions

Conversions Part 2

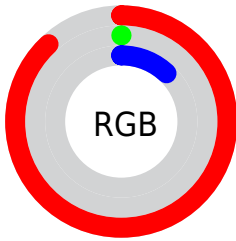
Format	Color
R_{YB}	224, 0, 30
Decimal	14680094
CIE Lab	46.90, 72.97, 50.32
CIE LCh	47, 88.640, 34.588
Yxy	15.9410, 0.6246, 0.3215
Android (android.graphics.Color)	4292870174 (0xFFE0001E)
YUV	70.3960, -19.9152, 134.7107
Hunter-Lab	39.9262, 68.6098, 23.9794

Details

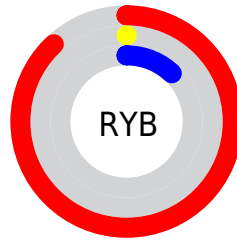
The XYZ color **30.9748, 15.9410, 2.6727** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **36.3993, 57.2085, 60.1921**, and the grayscale version is **5.9100, 6.2178, 6.7712**.

A 20% lighter version of the original color is **46.2357, 29.1082, 10.2027**, and **14.2981, 7.3709, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **30.9740, 15.9407, 2.6697**, and if you desaturate by 10%, it is **31.5988, 16.6636, 4.5017**.

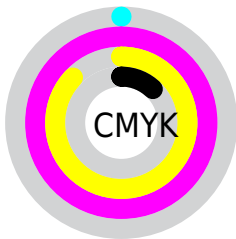
Distribution



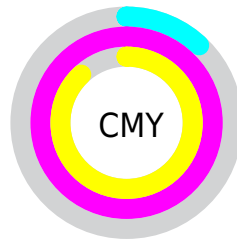
- Red (88%)
- Green (0%)
- Blue (12%)



- Red (88%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9748, 15.9410, 2.6727 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 30.9748, 15.9410, 2.6727 by changing the saturation by 10% instead.


 30.9748, 15.9410,
2.6727

 30.9748, 15.9410,
2.6727


298.2512,
228.9933, 132.0762


 20.7314, 9.4824,
0.9296


 60.5765, 36.4957,
10.8095


 13.0391, 5.0572,
0.0000


 80.6655, 51.3607,
18.0408


 7.5327, 2.2808,
0.0000


 104.7671, 69.7966,
27.9387

 3.8467, 0.7635,
0.0000

 133.2466, 92.1877,
40.9217

 1.6158, 0.0000,
0.0000

 166.4694,
118.9186, 57.4084


 0.4027, 0.0000,
0.0000


 204.8009,


 0.0000, 0.0000,


150.3735, 77.8174


0.0000


 248.6063,
186.9370, 102.5671


 30.9748, 15.9410,
2.6727


 30.9748, 15.9410,
2.6727


 30.9740, 15.9407,
2.6697

 31.5988, 16.6636,
4.5017

 32.7412, 18.1399,
7.3750

 34.5327, 20.5995,
11.4351

 37.0535, 24.1754,
16.7944

 40.3723, 28.9797,
23.5521

■ 44.5494, 35.1109,
31.7975

■ 49.6394, 42.6576,
41.6126

■ 55.6925, 51.7007,
53.0732

■ 62.7549, 62.3149,
66.2501

Harmonies

Analogous

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



35.3176, 15.9410, 14.1701



30.9748, 15.9410, 2.6727



22.4654, 15.9410, 0.0555

Triad

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



30.9748, 15.9410, 2.6727



5.3019, 15.9410, 4.7501



16.3716, 15.9410, 103.7376

Complementary

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



30.9748, 15.9410, 2.6727



36.3993, 57.2085, 60.1921

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.



9.6270, 15.9410, 91.1695



30.9748, 15.9410, 2.6727



4.6410, 15.9410, 20.9892

Square

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



30.9748, 15.9410, 2.6727



8.1839, 15.9410, 0.5512



5.9144, 15.9410, 54.4636



25.2506, 15.9410, 81.2636

Rectangle

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



30.9748, 15.9410, 2.6727



16.5967, 15.9410, 0.0000



5.9144, 15.9410, 54.4636



13.7926, 15.9410, 103.5621

Sweetspot

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



30.9751, 15.9420, 2.6729



66.4162, 56.9626, 55.4854



34.7920, 16.3825, 71.8488



13.5649, 11.2252, 10.6275



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.



30.9751, 15.9420, 2.6729



41.5302, 21.3761, 3.4582



33.4958, 21.3578, 2.3585



13.7815, 13.7302, 14.6195



18.0532, 9.2883, 1.6801



1.2758, 0.6536, 0.2450

Inverse Universe

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



30.9751, 15.9420, 2.6729



41.5302, 21.3761, 3.4582



23.6751, 25.8221, 74.2568



13.7815, 13.7302, 14.6195



18.0532, 9.2883, 1.6801



1.2758, 0.6536, 0.2450

Previews

White Background



This preview shows how the XYZ color 30.9748, 15.9410, 2.6727 looks on a white 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

Black Background



This preview shows how the XYZ color 30.9748, 15.9410, 2.6727 looks on a black 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

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

XYZ 30.9748, 15.9410, 2.6727

Background



This preview shows how black text looks on a background with the XYZ color 30.9748, 15.9410, 2.6727.



This preview shows how white text looks on a background with the XYZ color 30.9748, 15.9410,

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

30.9748, 15.9410, 2.6727

Protanopia

15.1069, 16.4849, 5.5177

Deuteranopia

16.5854, 16.3550, 2.2827



Tritanopia

30.6816, 16.1883, 1.5076

Trichromacy



Original Color

30.9748, 15.9410, 2.6727

Protanomaly

17.6537, 12.4905, 3.7660

Deuteranomaly

19.1408, 12.9291, 1.8033

Tritanomaly

30.6358, 16.0000, 1.7902

Monochromacy



Original Color

30.9748, 15.9410, 2.6727

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

10.2322, 6.5882, 4.3468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9748, 15.9410, 2.6727 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(224, 0, 30)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 30)  
}
```

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(224, 0, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 30) }
```

Border

The CSS property to change the border of an element to XYZ 30.9748, 15.9410, 2.6727 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(224, 0, 30) }
```


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

```
.border{ border-color:rgb(224, 0, 30) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 30);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 30)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.9748, 15.9410, 2.6727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 30) }
```

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

```
.background{ background-color: rgb(224, 0,  
30) }
```

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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