

Converting Colors

XYZ(31.2530, 16.6085, 2.4227)

Have a look what the booklet for
XYZ(31.2530, 16.6085, 2.4227)
contains.

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Color

**XYZ(31.2530, 16.6085,
2.4227)**

Conversions

Conversions Part 1

Format	Color
Hex	E01918
RGB	224, 25, 24
RGB Percent	88%, 10%, 9%
CMY	0.1216, 0.9019, 0.9059
CMYK	0.00, 0.89, 0.89, 0.12
HSL	0°, 81%, 49%
HSV	0°, 89%, 88%
XYZ	31.2530, 16.6085, 2.4227
YIQ	84.3870, 118.9250, 41.8770

Conversions

Conversions Part 2

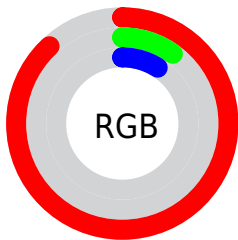
Format	Color
R_{YB}	224, 25, 24
Decimal	14686488
CIE Lab	47.76, 70.27, 53.68
CIE LCh	48, 88.427, 37.379
Yxy	16.6085, 0.6215, 0.3303
Android (android.graphics.Color)	4292876568 (0xFFE01918)
YUV	84.3870, -29.7708, 122.4406
Hunter-Lab	40.7535, 65.5691, 25.0028

Details

The XYZ color **31.2530, 16.6085, 2.4227** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **40.2117, 58.3370, 79.6613**, and the grayscale version is **8.5522, 8.9976, 9.7984**.

A 20% lighter version of the original color is **46.6844, 30.2773, 9.5144**, and **14.2981, 7.3709, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **30.7788, 15.9102, 1.4947**, and if you desaturate by 10%, it is **32.2704, 18.1057, 4.4203**.

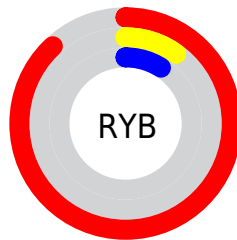
Distribution



Red (88%)

Green (10%)

Blue (9%)



Red (88%)

Yellow (10%)

Blue (9%)

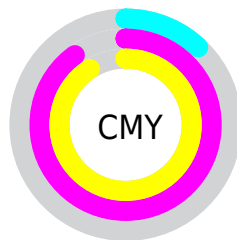


Cyan (0%)

Magenta (89%)

Yellow (89%)

Black (12%)



Cyan (12%)


Magenta (90%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2530, 16.6085, 2.4227 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 31.2530, 16.6085, 2.4227 by changing the saturation by 10% instead.


 31.2530, 16.6085,
2.4227


 31.2530, 16.6085,
2.4227


299.5083,
232.9061, 128.6292


 20.9443, 9.9558,
0.7988


 61.0113, 37.6514,
10.1672


 13.1956, 5.3696,
0.0000


 81.1917, 52.8104,
17.1341


 7.6413, 2.4657,
0.0000

 105.3933, 71.5735,
26.7222

 3.9161, 0.8594,
0.0000

 133.9816, 94.3253,
39.3500

 1.6548, 0.0000,
0.0000

 167.3219,
121.4500, 55.4361

 0.4277, 0.0000,
0.0000


 205.7796,


 0.0000, 0.0000,


153.3321, 75.3990


0.0000


 249.7199,
190.3560, 99.6572


 31.2530, 16.6085,
2.4227


 31.2530, 16.6085,
2.4227


 30.7788, 15.9102,
1.4947


 32.2704, 18.1057,
4.4203

 30.7527, 15.8721,
1.4428

 33.9733, 20.6045,
7.7843

 36.4542, 24.2398,
12.7004

 39.7910, 29.1253,
19.3252

 44.0522, 35.3607,
27.7962

■ 49.2993, 43.0355,
38.2371

■ 55.5886, 52.2319,
50.7607

■ 62.9722, 63.0256,
65.4713

■ 71.4985, 75.4873,
82.4664

Harmonies

Analogous

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



36.2309, 16.6085, 13.0382



31.2530, 16.6085, 2.4227



22.4016, 16.6085, 0.0507

Triad

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



31.2530, 16.6085, 2.4227



5.4847, 16.6085, 5.9568



17.8249, 16.6085, 105.0596

Complementary

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



31.2530, 16.6085, 2.4227



40.2117, 58.3370, 79.6613

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.



10.6207, 16.6085, 95.6733



31.2530, 16.6085, 2.4227



4.9838, 16.6085, 24.2875

Square

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



31.2530, 16.6085, 2.4227



8.2249, 16.6085, 0.8447



6.5099, 16.6085, 59.6176



26.9605, 16.6085, 79.6452

Rectangle

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



31.2530, 16.6085, 2.4227



16.4929, 16.6085, 0.0000



6.5099, 16.6085, 59.6176



15.0994, 16.6085, 106.0835

Sweetspot

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



31.2534, 16.6096, 2.4229



67.7840, 60.1418, 54.5739



44.5214, 21.8823, 72.3977



13.9360, 12.0355, 10.5413



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.



31.2534, 16.6096, 2.4229



41.2542, 21.2884, 1.9347



38.1128, 30.3285, 4.7094



13.7129, 13.7117, 14.2307



17.9030, 9.2439, 0.8407



1.2430, 0.6448, 0.0589

Inverse Universe

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



40.2117, 58.3370, 79.6613



53.3940, 77.9081, 106.8313



21.0388, 19.9913, 73.2704



14.1103, 15.5597, 17.6473



23.1707, 33.8109, 46.3533



1.6080, 2.3476, 3.2136

Previews

White Background



This preview shows how the XYZ color 31.2530, 16.6085, 2.4227 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 31.2530, 16.6085, 2.4227 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 31.2530, 16.6085, 2.4227

Background



This preview shows how black text looks on a background with the XYZ color 31.2530, 16.6085, 2.4227.



This preview shows how white text looks on a background with the XYZ color 31.2530, 16.6085,

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

31.2530, 16.6085, 2.4227

Protanopia

15.4689, 17.0251, 4.7564

Deuteranopia

16.9702, 16.8666, 2.3611



Tritanopia

31.2274, 16.6331, 2.1807

Trichromacy



Original Color

31.2530, 16.6085, 2.4227

Protanomaly

18.4400, 13.9485, 3.3895

Deuteranomaly

20.0073, 14.3527, 1.9743

Tritanomaly

31.2452, 16.6402, 2.2745

Monochromacy



Original Color

31.2530, 16.6085, 2.4227

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

12.6387, 9.0537, 5.6388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2530, 16.6085, 2.4227 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, 25, 24)` looks like.

```
.text, #text, p{  
    color:rgb(224, 25, 24)  
}
```

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, 25, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 25, 24) }
```

Border

The CSS property to change the border of an element to XYZ 31.2530, 16.6085, 2.4227 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, 25, 24) }
```


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

```
.border{ border-color:rgb(224, 25, 24) }
```

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

Here you see how a box with a 4 pixel rgb(224, 25, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 25, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 25, 24);  
box-shadow:4px 4px 4px 4px rgb(224, 25,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2530, 16.6085, 2.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 25, 24) }
```

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

```
.background{ background-color: rgb(224, 25,  
24) }
```

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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