

Converting Colors

XYZ(32.7928, 18.9267, 2.2412)

Have a look what the booklet for
XYZ(32.7928, 18.9267, 2.2412)
contains.

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Color

**XYZ(32.7906, 18.9253,
2.2413)**

Conversions

Conversions Part 1

Format	Color
Hex	E2370B
RGB	226, 55, 11
RGB Percent	89%, 22%, 4%
CMY	0.1137, 0.7843, 0.9569
CMYK	0.00, 0.76, 0.95, 0.11
HSL	12°, 91%, 46%
HSV	12°, 95%, 89%
XYZ	32.7906, 18.9253, 2.2413
YIQ	101.1130, 116.0400, 22.5680

Conversions

Conversions Part 2

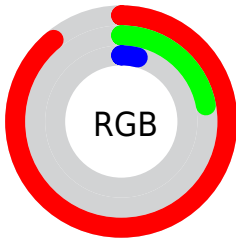
Format	Color
R_{YB}	226, 66, 11
Decimal	14825227
CIE _{Lab}	50.60, 63.61, 60.01
CIE _{LCh}	51, 87.452, 43.335
Yxy	18.9253, 0.6077, 0.3507
Android (android.graphics.Color)	4293015307 (0xFFE2370B)
YUV	101.1130, -44.4257, 109.5259
Hunter-Lab	43.5032, 58.4139, 27.3976

Details

The XYZ color **32.7906, 18.9253, 2.2413** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **30.5908, 39.0129, 77.8688**, and the grayscale version is **12.4906, 13.1411, 14.3107**.

A 20% lighter version of the original color is **48.3249, 33.9031, 8.9980**, and **14.6979, 7.5771, 0.6879** is the 20% darker color. If you saturate the color by 10%, you get **32.3511, 18.1433, 1.7969**, and if you desaturate by 10%, it is **34.0285, 21.0452, 3.7521**.

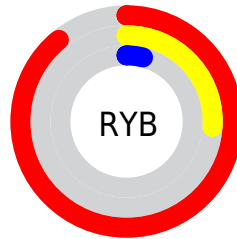
Distribution



Red (89%)

Green (22%)

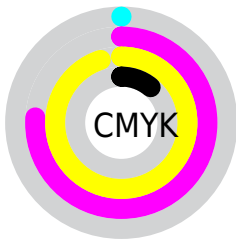
Blue (4%)



Red (89%)

Yellow (26%)

Blue (4%)

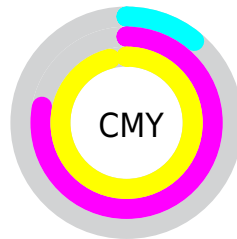


Cyan (0%)

Magenta (76%)

Yellow (95%)

Black (11%)



Cyan (11%)


Magenta (78%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7906, 18.9253, 2.2413 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 32.7906, 18.9253, 2.2413 by changing the saturation by 10% instead.

 32.7906, 18.9253,
2.2413


 32.7906, 18.9253,
2.2413


306.3868,
246.0361, 126.0178


 22.1245, 11.6163,
0.6981


 63.4053, 41.6078,
9.6906

 14.0656, 6.4830,
0.0000


 84.0847, 57.7502,
16.4574


 8.2483, 3.1409,
0.0000


 108.8326, 77.6058,
25.8105


 4.3074, 1.2057,
0.0000

 138.0143,
101.5590, 38.1683

 1.8774, 0.0664,
0.0000

 171.9953,
129.9942, 53.9494

 0.5637, 0.0000,
0.0000


 211.1407,


 0.0000, 0.0000,


163.2959, 73.5724


0.0000


 255.8161,
201.8484, 97.4556


 32.7906, 18.9253,
2.2413


 32.7906, 18.9253,
2.2413


 32.3511, 18.1433,
1.7969

 34.0285, 21.0452,
3.7521

 35.8202, 23.9316,
6.4987

 38.2295, 27.6535,
10.6822

 41.3099, 32.2711,
16.4671

 45.1092, 37.8385,
23.9955

■ 49.6705, 44.4056,
33.3934

■ 55.0332, 52.0188,
44.7755

■ 61.2341, 60.7214,
58.2470

■ 68.3077, 70.5543,
73.9056

Harmonies

Analogous

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



39.1945, 18.9253, 11.5433



32.7906, 18.9253, 2.2413



23.1264, 18.9253, 0.2420

Triad

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



32.7906, 18.9253, 2.2413



6.3880, 18.9253, 9.8387



22.0522, 18.9253, 108.7551

Complementary

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



32.7906, 18.9253, 2.2413



30.5908, 39.0129, 77.8688

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.



13.6733, 18.9253, 106.6222



32.7906, 18.9253, 2.2413



6.2648, 18.9253, 33.4844

Square

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



32.7906, 18.9253, 2.2413



8.9004, 18.9253, 1.8287



8.4844, 18.9253, 72.7457



31.7927, 18.9253, 77.3248

Rectangle

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



32.7906, 18.9253, 2.2413



17.0485, 18.9253, 0.0000



8.4844, 18.9253, 72.7457



18.9612, 18.9253, 112.4012

Sweetspot

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



32.7910, 18.9265, 2.2416



69.3680, 64.1630, 52.4716



40.0306, 19.8269, 46.5167



14.2116, 12.8292, 9.8856



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.



32.7910, 18.9265, 2.2416



42.4770, 23.7339, 2.3423



44.2566, 41.8576, 6.0634



13.9334, 14.1527, 14.3042



18.5246, 10.4871, 1.0479



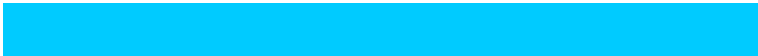
1.3479, 0.8547, 0.0939

Inverse Universe

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



30.5908, 39.0129, 77.8688



39.3586, 49.8372, 102.1529



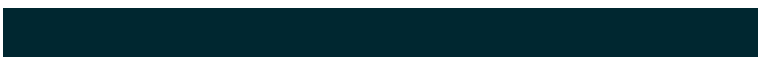
16.4156, 10.6625, 73.1437



13.8659, 15.0708, 17.5658



17.1996, 21.8688, 44.3629



1.2531, 1.6376, 3.0953

Previews

White Background



This preview shows how the XYZ color 32.7906, 18.9253, 2.2413 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 32.7906, 18.9253, 2.2413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

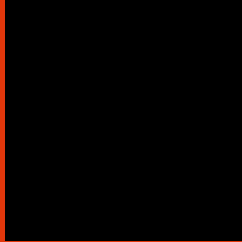
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.7906, 18.9253, 2.2413

Background



This preview shows how black text looks on a background with the XYZ color 32.7906, 18.9253, 2.2413.



This preview shows how white text looks on a background with the XYZ color 32.7906, 18.9253,

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

32.7906, 18.9253, 2.2413

Protanopia

17.2125, 18.9977, 3.9221

Deuteranopia

19.2676, 19.0338, 2.6584



Tritanopia

33.5491, 19.0439, 5.2758

Trichromacy



Original Color

32.7906, 18.9253, 2.2413

Protanomaly

20.7817, 17.0423, 2.9532

Deuteranomaly

22.7587, 17.5408, 2.3011

Tritanomaly

33.3015, 19.0170, 3.7492

Monochromacy



Original Color

32.7906, 18.9253, 2.2413

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

16.0678, 12.8690, 7.1059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7906, 18.9253, 2.2413 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(226, 55, 11)` looks like.

```
.text, #text, p{  
    color:rgb(226, 55, 11)  
}
```

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(226, 55, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 55, 11) }
```

Border

The CSS property to change the border of an element to XYZ 32.7906, 18.9253, 2.2413 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(226, 55, 11) }
```


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

```
.border{ border-color:rgb(226, 55, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 55, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 55, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 55, 11);  
box-shadow:4px 4px 4px 4px rgb(226, 55,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7906, 18.9253, 2.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 55, 11) }
```

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

```
.background{ background-color: rgb(226, 55,  
11) }
```

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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