

Converting Colors

XYZ(30.8318, 12.9563, 1.4615)

Have a look what the booklet for
XYZ(30.8318, 12.9563, 1.4615)
contains.

XYZ(32.7423, 16.8667, 2.1021)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(32.7423, 16.8667,
2.1021)**

Conversions

Conversions Part 1

Format	Color
Hex	E60012
RGB	230, 0, 18
RGB Percent	90%, 0%, 7%
CMY	0.0980, 0.9998, 0.9294
CMYK	0.00, 1.00, 0.92, 0.10
HSL	355°, 100%, 45%
HSV	355°, 100%, 90%
XYZ	32.7423, 16.8667, 2.1021
YIQ	70.8220, 131.3020, 54.3580

Conversions

Conversions Part 2

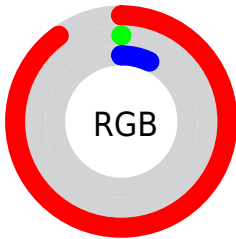
Format	Color
R_{YB}	230, 0, 18
Decimal	15073298
CIE _{Lab}	48.09, 74.25, 56.85
CIE _{LCh}	48, 93.512, 37.441
Yxy	16.8667, 0.6332, 0.3262
Android (android.graphics.Color)	4293263378 (0xFFE60012)
YUV	70.8220, -26.0412, 139.5991
Hunter-Lab	41.0691, 70.4381, 25.7136

Details

The XYZ color **32.7423, 16.8667, 2.1021** 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 **40.1883, 61.3499, 72.0495**, and the grayscale version is **5.9915, 6.3035, 6.8646**.

A 20% lighter version of the original color is **45.9942, 29.1474, 8.5120**, and **15.3098, 7.8925, 0.7165** is the 20% darker color. If you saturate the color by 10%, you get **32.7416, 16.8663, 2.0998**, and if you desaturate by 10%, it is **33.3100, 17.5858, 3.5761**.

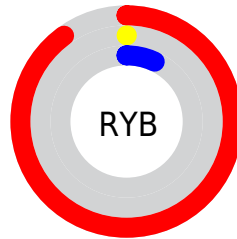
Distribution



Red (90%)

Green (0%)

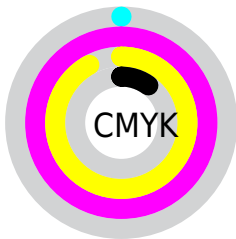
Blue (7%)



Red (90%)

Yellow (0%)

Blue (7%)

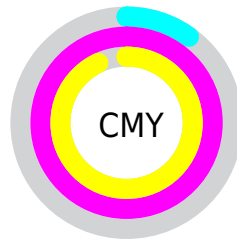


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7423, 16.8667, 2.1021 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 32.7423, 16.8667, 2.1021 by changing the saturation by 10% instead.


 32.7423, 16.8667,
2.1021


 32.7423, 16.8667,
2.1021


306.1725,
234.4030, 123.9426


 22.0874, 10.1395,
0.6170


 63.3304, 38.0964,
9.3181


 14.0381, 5.4915,
0.0000


 83.9942, 53.3678,
15.9261

 8.2290, 2.5385,
0.0000


 108.7251, 72.2559,
25.0922

 4.2949, 0.8958,
0.0000

 137.8884, 95.1453,
37.2349

 1.8703, 0.0000,
0.0000

 171.8494,
122.4203, 52.7727

 0.5595, 0.0000,
0.0000


 210.9735,


 0.0000, 0.0000,


154.4654, 72.1243


0.0000


 255.6261,
191.6648, 95.7080


 32.7423, 16.8667,
2.1021

 32.7423, 16.8667,
2.1021


 32.7416, 16.8663,
2.0998

 33.3100, 17.5858,
3.5761

 34.4386, 19.1120,
6.2059

 36.2730, 21.6896,
10.1809

 38.9042, 25.4629,
15.6492

 42.4100, 30.5535,
22.7397

■ 46.8584, 37.0680,
31.5669

■ 52.3109, 45.1021,
42.2354

■ 58.8239, 54.7433,
54.8412

■ 66.4494, 66.0724,
69.4738

Harmonies

Analogous

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



38.1983, 16.8667, 12.9648



32.7423, 16.8667, 2.1021



23.1230, 16.8667, 0.0000

Triad

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



32.7423, 16.8667, 2.1021



5.2072, 16.8667, 5.6568



18.2332, 16.8667, 114.2405

Complementary

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



32.7423, 16.8667, 2.1021



40.1883, 61.3499, 72.0495

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.



10.5617, 16.8667, 103.8345



32.7423, 16.8667, 2.1021



4.7007, 16.8667, 25.0884

Square

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



32.7423, 16.8667, 2.1021



8.0312, 16.8667, 0.6061



6.2682, 16.8667, 63.7922



28.1047, 16.8667, 85.8273

Rectangle

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



32.7423, 16.8667, 2.1021



16.7693, 16.8667, 0.0000



6.2682, 16.8667, 63.7922



15.3152, 16.8667, 115.4150

Sweetspot

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



32.7427, 16.8678, 2.1023



65.9610, 56.7805, 53.0887



41.1008, 19.5393, 76.4675



13.4612, 11.1837, 10.0813



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.



32.7427, 16.8678, 2.1023



41.3653, 21.3101, 2.5901



36.8039, 25.1645, 2.9191



14.4224, 14.3861, 15.1588



18.5538, 9.5557, 1.2794



1.3870, 0.7125, 0.1787

Inverse Universe

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



32.7427, 16.8678, 2.1023



41.3653, 21.3101, 2.5901



22.8350, 22.8164, 78.0627



14.4224, 14.3861, 15.1588



18.5538, 9.5557, 1.2794



1.3870, 0.7125, 0.1787

Previews

White Background



This preview shows how the XYZ color 32.7423, 16.8667, 2.1021 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 32.7423, 16.8667, 2.1021 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 32.7423, 16.8667, 2.1021

Background



This preview shows how black text looks on a background with the XYZ color 32.7423, 16.8667, 2.1021.



This preview shows how white text looks on a background with the XYZ color 32.7423, 16.8667,

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

32.7423, 16.8667, 2.1021

Protanopia

15.8012, 17.3765, 4.3549

Deuteranopia

17.4300, 17.2629, 2.4134

Trichromacy



Original Color

32.7423, 16.8667, 2.1021

Protanomaly

18.4220, 13.1035, 2.8546

Deuteranomaly

20.3600, 13.7428, 1.7805

Monochromacy



Original Color

32.7423, 16.8667, 2.1021

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.6115, 6.7918, 4.0005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7423, 16.8667, 2.1021 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, 0, 18)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 18)  
}
```

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, 0, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 18) }
```

Border

The CSS property to change the border of an element to XYZ 32.7423, 16.8667, 2.1021 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, 0, 18) }
```

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

```
.border{ border-color:rgb(230, 0, 18) }
```

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

Here you see how a box with a 4 pixel rgb(230, 0, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 18);  
box-shadow:4px 4px 4px 4px rgb(230, 0, 18)  
}
```


Background

The CSS property to change the background color of an element to XYZ 32.7423, 16.8667, 2.1021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 18) }
```

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

```
.background{ background-color: rgb(230, 0,  
18) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor