

Converting Colors

XYZ(32.8165, 20.1925, 2.1679)

Have a look what the booklet for
XYZ(32.8165, 20.1925, 2.1679)
contains.

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Color

**XYZ(32.9306, 20.2276,
2.1687)**

Conversions

Conversions Part 1

Format	Color
Hex	E04600
RGB	224, 70, 0
RGB Percent	88%, 27%, 0%
CMY	0.1216, 0.7254, 1.0000
CMYK	0.00, 0.69, 1.00, 0.12
HSL	19°, 100%, 44%
HSV	19°, 100%, 88%
XYZ	32.9306, 20.2276, 2.1687
YIQ	108.0660, 114.2540, 10.8780

Conversions

Conversions Part 2

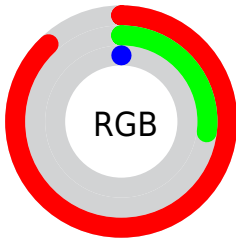
Format	Color
R_{YB}	224, 102, 0
Decimal	14697984
CIE _{Lab}	52.09, 57.67, 63.19
CIE _{LCh}	52, 85.548, 47.615
Yxy	20.2276, 0.5952, 0.3656
Android (android.graphics.Color)	4292888064 (0xFFE04600)
YUV	108.0660, -53.2765, 101.6741
Hunter-Lab	44.9751, 51.9906, 28.6236

Details

The XYZ color **32.9306, 20.2276, 2.1687** 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 **25.0088, 28.4905, 74.7015**, and the grayscale version is **14.3961, 15.1458, 16.4938**.

A 20% lighter version of the original color is **49.5432, 36.5186, 8.8525**, and **14.2981, 7.3709, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **32.9308, 20.2285, 2.1688**, and if you desaturate by 10%, it is **34.1698, 22.4684, 3.3155**.

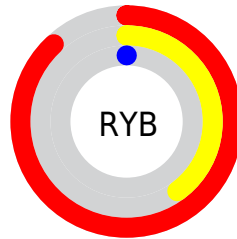
Distribution



Red (88%)

Green (27%)

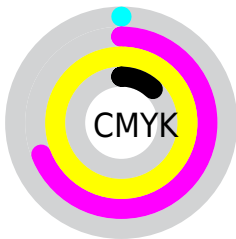
Blue (0%)



Red (88%)

Yellow (40%)

Blue (0%)

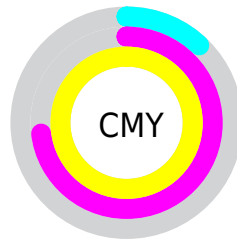


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9306, 20.2276, 2.1687 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 32.9306, 20.2276, 2.1687 by changing the saturation by 10% instead.


 32.9306, 20.2276,
2.1687


 32.9306, 20.2276,
2.1687


307.0074,
253.1446, 124.9437


 22.2323, 12.5606,
0.6562


 63.6226, 43.7984,
9.4971

 14.1452, 7.1267,
0.0000


 84.3469, 60.4711,
16.1817


 8.3041, 3.5414,
0.0000

 109.1440, 80.9144,
25.4380


 4.3436, 1.4205,
0.0000

 138.3791,
105.5127, 37.6846

 1.8983, 0.2318,
0.0000

 172.4177,
134.6505, 53.3398


 0.5758, 0.0000,
0.0000


 211.6250,


 0.0000, 0.0000,


168.7122, 72.8224


0.0000


 256.3665,
208.0821, 96.5509


 32.9306, 20.2276,
2.1687


 32.9306, 20.2276,
2.1687


 32.9308, 20.2285,
2.1688

 34.1698, 22.4684,
3.3155

 35.8452, 25.3054,
5.4580

 38.0288, 28.7936,
8.8957

 40.7669, 32.9748,
13.8007

 44.0997, 37.8865,
20.3188

■ 48.0633, 43.5634,
28.5774

■ 52.6907, 50.0378,
38.6915

■ 58.0124, 57.3400,
50.7658

■ 64.0570, 65.4988,
64.8974

Harmonies

Analogous

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



40.1119, 20.2276, 10.4311



32.9306, 20.2276, 2.1687



23.0614, 20.2276, 0.4376

Triad

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



32.9306, 20.2276, 2.1687



7.0368, 20.2276, 13.2281



24.7751, 20.2276, 107.1600

Complementary

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



32.9306, 20.2276, 2.1687



25.0088, 28.4905, 74.7015

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.



15.8409, 20.2276, 110.4586



32.9306, 20.2276, 2.1687



7.2419, 20.2276, 40.0436

Square

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



32.9306, 20.2276, 2.1687



9.2899, 20.2276, 2.9010



9.9741, 20.2276, 80.1610



34.5082, 20.2276, 73.0320

Rectangle

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



32.9306, 20.2276, 2.1687



17.0828, 20.2276, 0.3512



9.9741, 20.2276, 80.1610



21.5407, 20.2276, 112.5096

Sweetspot

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



32.9310, 20.2288, 2.1690



70.5428, 66.9278, 51.5835



36.8090, 18.2747, 33.3964



14.5128, 13.5094, 9.7457



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.



32.9310, 20.2288, 2.1690



44.0865, 26.9530, 2.8788



46.9004, 48.1676, 6.8255



14.0550, 14.3960, 14.3447



19.2589, 11.9558, 1.2926



1.4131, 0.9851, 0.1157

Inverse Universe

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



25.0088, 28.4905, 74.7015



33.4390, 37.9981, 100.1797



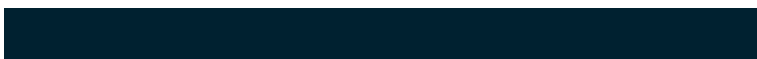
14.3854, 7.2436, 71.1603



13.7364, 14.8118, 17.5227



14.6639, 16.7974, 43.5177



1.0953, 1.3220, 3.0427

Previews

White Background



This preview shows how the XYZ color 32.9306, 20.2276, 2.1687 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 32.9306, 20.2276, 2.1687 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 32.9306, 20.2276, 2.1687

Background



This preview shows how black text looks on a background with the XYZ color 32.9306, 20.2276, 2.1687.



This preview shows how white text looks on a background with the XYZ color 32.9306, 20.2276,

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

32.9306, 20.2276, 2.1687

Protanopia

18.4830, 20.3959, 3.8268

Deuteranopia

20.6974, 20.4628, 2.8588



Tritanopia

33.9850, 20.2055, 7.5777

Trichromacy



Original Color

32.9306, 20.2276, 2.1687

Protanomaly

21.9324, 18.7956, 2.9239

Deuteranomaly

23.9451, 19.2524, 2.4540

Tritanomaly

33.4945, 20.1963, 4.4184

Monochromacy



Original Color

32.9306, 20.2276, 2.1687

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

17.6546, 14.9191, 7.5794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9306, 20.2276, 2.1687 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, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 70, 0)  
}
```

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, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 70, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.9306, 20.2276, 2.1687 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, 70, 0) }
```


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

```
.border{ border-color:rgb(224, 70, 0) }
```

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

Here you see how a box with a 4 pixel rgb(224, 70, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 70, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 70, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 70, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.9306, 20.2276, 2.1687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 70, 0) }
```

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

```
.background{ background-color: rgb(224, 70,  
0) }
```

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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