

Converting Colors

XYZ(32.4635, 19.1092, 1.9774)

Have a look what the booklet for
XYZ(32.4635, 19.1092, 1.9774)
contains.

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Color

**XYZ(32.3563, 19.0790,
1.9772)**

Conversions

Conversions Part 1

Format	Color
Hex	E03C00
RGB	224, 60, 0
RGB Percent	88%, 24%, 0%
CMY	0.1216, 0.7647, 1.0000
CMYK	0.00, 0.73, 1.00, 0.12
HSL	16°, 100%, 44%
HSV	16°, 100%, 88%
XYZ	32.3563, 19.0790, 1.9772
YIQ	102.1960, 117.0040, 16.1080

Conversions

Conversions Part 2

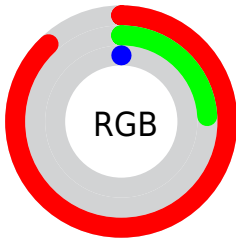
Format	Color
R_{YB}	224, 82, 0
Decimal	14695424
CIE Lab	50.78, 61.28, 62.57
CIE LCh	51, 87.578, 45.597
Yxy	19.0790, 0.6058, 0.3572
Android (android.graphics.Color)	4292885504 (0xFFE03C00)
YUV	102.1960, -50.3826, 106.8221
Hunter-Lab	43.6795, 55.7876, 27.8918

Details

The XYZ color **32.3563, 19.0790, 1.9772** 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 **26.7277, 31.9283, 75.2745**, and the grayscale version is **12.7883, 13.4543, 14.6517**.

A 20% lighter version of the original color is **48.5079, 34.5326, 8.2465**, and **14.2981, 7.3709, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **32.3567, 19.0801, 1.9774**, and if you desaturate by 10%, it is **33.5018, 21.1323, 3.0927**.

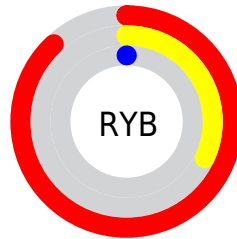
Distribution



Red (88%)

Green (24%)

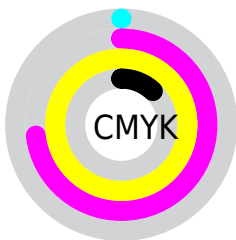
Blue (0%)



Red (88%)

Yellow (32%)

Blue (0%)

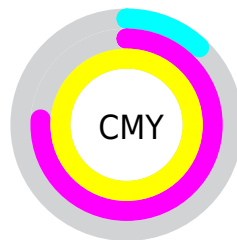


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3563, 19.0790, 1.9772 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 32.3563, 19.0790, 1.9772 by changing the saturation by 10% instead.


 32.3563, 19.0790,
1.9772


 32.3563, 19.0790,
1.9772


 304.4557,
246.8845, 122.0217


 21.7907, 11.7274,
0.5412


 62.7307, 41.8675,
8.9784

 13.8189, 6.5583,
0.0000


 83.2701, 58.0733,
15.4395

 8.0757, 3.1875,
0.0000

 107.8649, 77.9991,
24.4324

 4.1956, 1.2304,
0.0000

 136.8803,
102.0295, 36.3755

 1.8134, 0.0863,
0.0000

 170.6817,
130.5489, 51.6875


 0.5257, 0.0000,
0.0000


 209.6345,


 0.0000, 0.0000,


163.9416, 70.7868


0.0000


 254.1040,
202.5920, 94.0920


 32.3563, 19.0790,
1.9772


 32.3563, 19.0790,
1.9772


 32.3567, 19.0801,
1.9774

 33.5018, 21.1323,
3.0927

 35.1077, 23.8304,
5.2119

 37.2503, 27.2366,
8.6357

 39.9794, 31.4000,
13.5376

 43.3388, 36.3648,
20.0643

■ 47.3673, 42.1716,
28.3444

■ 52.1007, 48.8582,
38.4936

■ 57.5721, 56.4599,
50.6176

■ 63.8123, 65.0100,
64.8142

Harmonies

Analogous

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



39.2052, 19.0790, 10.4574



32.3563, 19.0790, 1.9772



22.5708, 19.0790, 0.1906

Triad

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



32.3563, 19.0790, 1.9772



6.3625, 19.0790, 11.0724



22.9582, 19.0790, 108.0529

Complementary

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



32.3563, 19.0790, 1.9772



26.7277, 31.9283, 75.2745

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.



14.3204, 19.0790, 108.8216



32.3563, 19.0790, 1.9772



6.4070, 19.0790, 36.3031

Square

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



32.3563, 19.0790, 1.9772



8.6929, 19.0790, 2.1263



8.8430, 19.0790, 76.3788



32.7161, 19.0790, 74.7282

Rectangle

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



32.3563, 19.0790, 1.9772



16.5672, 19.0790, 0.0273



8.8430, 19.0790, 76.3788



19.7966, 19.0790, 112.6790

Sweetspot

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



32.3567, 19.0802, 1.9775



69.7485, 65.3391, 51.3187



37.4651, 18.5371, 36.8516



14.3284, 13.1407, 9.6843



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.



32.3567, 19.0802, 1.9775



43.3263, 25.4327, 2.6254



45.4419, 45.2506, 6.3392



14.0045, 14.2949, 14.3279



18.9153, 11.2684, 1.1781



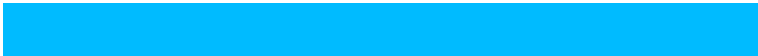
1.3839, 0.9267, 0.1059

Inverse Universe

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



26.7277, 31.9283, 75.2745



35.7531, 42.6263, 100.9510



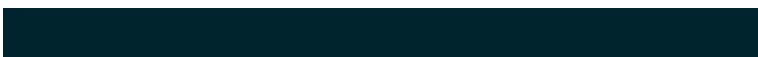
14.6944, 7.8617, 71.2634



13.7897, 14.9186, 17.5405



15.6569, 18.7834, 43.8487



1.1578, 1.4470, 3.0635

Previews

White Background



This preview shows how the XYZ color 32.3563, 19.0790, 1.9772 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 32.3563, 19.0790, 1.9772 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 32.3563, 19.0790, 1.9772

Background



This preview shows how black text looks on a background with the XYZ color 32.3563, 19.0790, 1.9772.



This preview shows how white text looks on a background with the XYZ color 32.3563, 19.0790,

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

32.3563, 19.0790, 1.9772

Protanopia

17.4515, 19.3076, 3.7267

Deuteranopia

19.2676, 19.0338, 2.6584



Tritanopia

33.2292, 19.1414, 5.9463

Trichromacy



Original Color

32.3563, 19.0790, 1.9772

Protanomaly

20.9176, 17.3961, 2.7455

Deuteranomaly

22.6826, 17.7681, 2.2341

Tritanomaly

32.8484, 19.0674, 3.6993

Monochromacy



Original Color

32.3563, 19.0790, 1.9772

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

16.2164, 13.3090, 6.7152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3563, 19.0790, 1.9772 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, 60, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 60, 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, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 60, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.3563, 19.0790, 1.9772 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, 60, 0) }
```


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

```
.border{ border-color:rgb(224, 60, 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, 60, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 60, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 60, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 60, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.3563, 19.0790, 1.9772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 60, 0) }
```

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

```
.background{ background-color: rgb(224, 60,  
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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