

Converting Colors

XYZ(32.9111, 19.3020, 4.8969)

Have a look what the booklet for
XYZ(32.9111, 19.3020, 4.8969)
contains.

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Color

**XYZ(32.9107, 19.3008,
4.8966)**

Conversions

Conversions Part 1

Format	Color
Hex	E03C31
RGB	224, 60, 49
RGB Percent	88%, 24%, 19%
CMY	0.1216, 0.7647, 0.8078
CMYK	0.00, 0.73, 0.78, 0.12
HSL	4°, 74%, 54%
HSV	4°, 78%, 88%
XYZ	32.9107, 19.3008, 4.8966
YIQ	107.7820, 101.2750, 31.3470

Conversions

Conversions Part 2

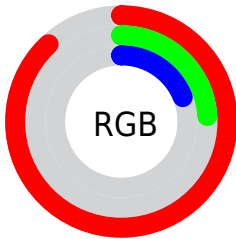
Format	Color
R_{YB}	224, 61, 49
Decimal	14695473
CIE Lab	51.04, 62.15, 44.46
CIE LCh	51, 76.415, 35.578
Yxy	19.3008, 0.5763, 0.3380
Android (android.graphics.Color)	4292885553 (0xFFE03C31)
YUV	107.7820, -28.9795, 101.9232
Hunter-Lab	43.9327, 56.8351, 24.1446

Details

The XYZ color **32.9107, 19.3008, 4.8966** is a dark color, and the websafe version is hex **CC3333**, and the color name is **cg red**. The color can be described as dark washed red. A complement of this color would be **38.5122, 53.6170, 78.8397**, and the grayscale version is **14.2529, 14.9952, 16.3298**.

A 20% lighter version of the original color is **49.9945, 35.3167, 15.4911**, and **14.5136, 7.4802, 0.7650** is the 20% darker color. If you saturate the color by 10%, you get **31.6597, 17.3770, 2.6983**, and if you desaturate by 10%, it is **34.8331, 22.1926, 8.4766**.

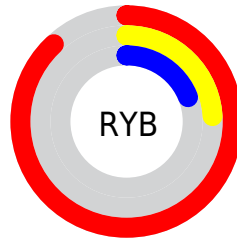
Distribution



Red (88%)

Green (24%)

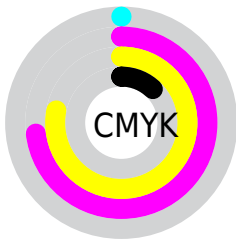
Blue (19%)



Red (88%)

Yellow (24%)

Blue (19%)

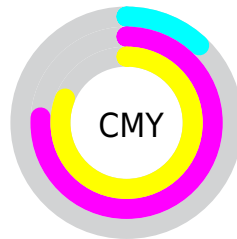


Cyan (0%)

Magenta (73%)

Yellow (78%)

Black (12%)



Cyan (12%)


Magenta (76%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9107, 19.3008, 4.8966 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 32.9107, 19.3008, 4.8966 by changing the saturation by 10% instead.


 32.9107, 19.3008,
4.8966


 32.9107, 19.3008,
4.8966


306.9193,
248.1043, 157.7232


 22.2170, 11.8878,
2.1290


 63.5917, 42.2418,
16.0298


 14.1339, 6.6673,
0.6330


 84.3097, 58.5386,
25.2326

 8.2962, 3.2549,
0.0000


 109.0997, 78.5654,
37.4175


 4.3384, 1.2662,
0.0000

 138.3273,
102.7067, 53.0031

 1.8953, 0.1148,
0.0000

 172.3576,
131.3468, 72.4079

 0.5741, 0.0000,
0.0000

 211.5562,

 0.0000, 0.0000,

164.8702, 96.0505

0.0000

256.2883,
203.6613, 124.3494

■ 32.9107, 19.3008,
4.8966

■ 32.9107, 19.3008,
4.8966

■ 31.6597, 17.3770,
2.6983

■ 34.8331, 22.1926,
8.4766

■ 30.9800, 16.2900,
1.6321


■ 37.5024, 26.1532,
13.6144


■ 30.8985, 16.1638,
1.4914


■ 40.9853, 31.2747,
20.4608

■ 45.3406, 37.6383,
29.1486

■ 50.6221, 45.3179,
39.7977

 56.8787, 54.3817,
52.5175

 64.1562, 64.8930,
67.4097

 72.4974, 76.9113,
84.5691

 81.9428, 90.4929,
104.0848

Harmonies

Analogous

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



36.9771, 19.3008, 17.2188



32.9107, 19.3008, 4.8966



25.0443, 19.3008, 1.3251

Triad

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



32.9107, 19.3008, 4.8966



8.0278, 19.3008, 8.0632



19.7961, 19.3008, 95.7842

Complementary

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



32.9107, 19.3008, 4.8966



38.5122, 53.6170, 78.8397

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.



12.9613, 19.3008, 86.3986



32.9107, 19.3008, 4.8966



7.3377, 19.3008, 25.3325

Square

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



32.9107, 19.3008, 4.8966



11.1132, 19.3008, 2.0761



8.8711, 19.3008, 55.7903



28.1822, 19.3008, 76.4131

Rectangle

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



32.9107, 19.3008, 4.8966



19.4901, 19.3008, 0.8255



8.8711, 19.3008, 55.7903



17.2453, 19.3008, 95.9857

Sweetspot

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



32.9111, 19.3020, 4.8969



71.9074, 66.5888, 61.4967



44.1364, 22.9630, 66.5641



14.7569, 13.3334, 11.8753



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.



32.9111, 19.3020, 4.8969



41.8024, 22.2434, 2.5534



41.4583, 36.3962, 7.7459



13.7761, 13.8382, 14.2517



18.0137, 9.4653, 0.8776



1.2733, 0.7056, 0.0691

Inverse Universe

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



38.5122, 53.6170, 78.8397



49.3876, 69.5955, 105.4380



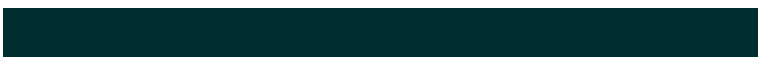
22.4077, 21.4080, 73.4715



14.0389, 15.4168, 17.6235



21.2648, 29.9991, 45.7180



1.4966, 2.1247, 3.1765

Previews

White Background



This preview shows how the XYZ color 32.9107, 19.3008, 4.8966 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 32.9107, 19.3008, 4.8966 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 32.9107, 19.3008, 4.8966

Background



This preview shows how black text looks on a background with the XYZ color 32.9107, 19.3008, 4.8966.



This preview shows how white text looks on a background with the XYZ color 32.9107, 19.3008,

4.8966.

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

32.9107, 19.3008, 4.8966

Protanopia

17.8042, 19.3926, 8.1150

Deuteranopia

19.7007, 19.3905, 4.3735



Tritanopia

33.0958, 19.2103, 6.3785

Trichromacy



Original Color

32.9107, 19.3008, 4.8966

Protanomaly

21.2138, 17.4654, 6.5280

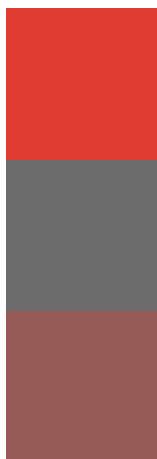
Deuteranomaly

23.1735, 18.1095, 4.3719

Tritanomaly

33.0430, 19.2706, 5.8489

Monochromacy



Original Color

32.9107, 19.3008, 4.8966

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

18.0391, 14.6543, 10.8946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9107, 19.3008, 4.8966 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(224, 60, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 60, 49) }
```

Border

The CSS property to change the border of an element to XYZ 32.9107, 19.3008, 4.8966 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, 49) }
```


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

```
.border{ border-color:rgb(224, 60, 49) }
```

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, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 60, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 60, 49);  
box-shadow:4px 4px 4px 4px rgb(224, 60,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9107, 19.3008, 4.8966 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, 49) }
```

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

```
.background{ background-color: rgb(224, 60,  
49) }
```

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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