

Converting Colors

XYZ(32.1580, 19.1460, 7.4670)

Have a look what the booklet for
XYZ(32.1580, 19.1460, 7.4670)
contains.

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Color

**XYZ(32.0902, 19.1442,
7.4727)**

Conversions

Conversions Part 1

Format	Color
Hex	DB4044
RGB	219, 64, 68
RGB Percent	86%, 25%, 27%
CMY	0.1412, 0.7490, 0.7333
CMYK	0.00, 0.71, 0.69, 0.14
HSL	358°, 68%, 55%
HSV	358°, 71%, 86%
XYZ	32.0902, 19.1442, 7.4727
YIQ	110.8010, 91.0960, 34.1040

Conversions

Conversions Part 2

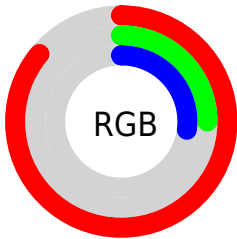
Format	Color
RYB	219, 64, 68
Decimal	14368836
CIELab	50.86, 59.99, 33.38
CIElCh	51, 68.655, 29.094
Yxy	19.1442, 0.5466, 0.3261
Android (android.graphics.Color)	4292558916 (0xFFDB4044)
YUV	110.8010, -21.1009, 94.8905
Hunter-Lab	43.7541, 54.3461, 20.5018

Details

The XYZ color **32.0902, 19.1442, 7.4727** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **39.7133, 56.6598, 73.1396**, and the grayscale version is **15.0936, 15.8797, 17.2929**.

A 20% lighter version of the original color is **51.2298, 36.1957, 20.8094**, and **13.8858, 7.1381, 1.5656** is the 20% darker color. If you saturate the color by 10%, you get **30.5515, 16.9263, 4.3108**, and if you desaturate by 10%, it is **34.3512, 22.4282, 12.0441**.

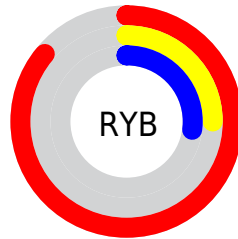
Distribution



Red (86%)

Green (25%)

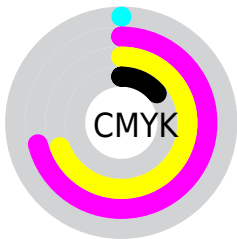
Blue (27%)



Red (86%)

Yellow (25%)

Blue (27%)

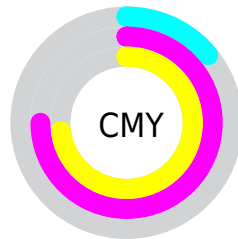


Cyan (0%)

Magenta (71%)

Yellow (69%)

Black (14%)



Cyan (14%)


Magenta (75%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0902, 19.1442, 7.4727 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 32.0902, 19.1442, 7.4727 by changing the saturation by 10% instead.


 32.0902, 19.1442,
7.4727


 32.0902, 19.1442,
7.4727


303.2679,
247.2437, 181.3129


 21.5863, 11.7745,
3.6765


 62.3167, 41.9776,
21.4469

 13.6681, 6.5903,
1.4496


 82.7700, 58.2102,
32.4620

 7.9704, 3.2072,
0.1800


 107.2705, 78.1658,
46.7205

 4.1276, 1.2409,
0.0000

 136.1835,
102.2288, 64.6409

 1.7746, 0.0947,
0.0000

 169.8744,
130.7838, 86.6419

 0.5023, 0.0000,
0.0000

208.7085,

 0.0000, 0.0000,

164.2149, 113.1418

0.0000

253.0512,
202.9068, 144.5593

■ 32.0902, 19.1442,
7.4727

■ 32.0902, 19.1442,
7.4727

■ 30.5515, 16.9263,
4.3108

■ 34.3512, 22.4282,
12.0441

■ 29.6462, 15.6394,
2.3946


■ 37.4071, 26.8857,
18.1626


■ 29.2441, 15.0723,
1.5298


■ 41.3229, 32.6145,
25.9503


■ 46.1567, 39.7015,
35.5171

■ 51.9614, 48.2258,
46.9634

 58.7862, 58.2606,
60.3821

 66.6766, 69.8739,
75.8599

 75.6755, 83.1298,
93.4784

 83.0232, 93.8000,
108.3372

Harmonies

Analogous

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



34.5432, 19.1442, 21.4390



32.0902, 19.1442, 7.4727



25.7265, 19.1442, 2.4368

Triad

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



32.0902, 19.1442, 7.4727



9.1629, 19.1442, 6.9699



17.9912, 19.1442, 84.6673

Complementary

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



32.0902, 19.1442, 7.4727



39.7133, 56.6598, 73.1396

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.



12.3002, 19.1442, 71.9162



32.0902, 19.1442, 7.4727



8.0441, 19.1442, 20.2617

Square

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



32.0902, 19.1442, 7.4727



12.5765, 19.1442, 2.2987



9.0334, 19.1442, 44.7073



25.2807, 19.1442, 73.2685

Rectangle

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



32.0902, 19.1442, 7.4727



20.7690, 19.1442, 1.4914



9.0334, 19.1442, 44.7073



15.8448, 19.1442, 82.9782

Sweetspot

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



32.0906, 19.1453, 7.4730



72.9908, 67.5470, 65.5837



42.3030, 23.0535, 69.2376



15.1077, 13.7007, 13.0224



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.



32.0906, 19.1453, 7.4730



42.3926, 22.8428, 4.5409



38.9909, 33.1341, 9.1925



13.0696, 13.0569, 13.6276



17.3466, 8.9397, 0.9395



1.1287, 0.5811, 0.0866

Inverse Universe

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



32.0906, 19.1453, 7.4730



42.3926, 22.8428, 4.5409



25.2838, 26.9701, 70.8906



13.0696, 13.0569, 13.6276



17.3466, 8.9397, 0.9395



1.1287, 0.5811, 0.0866

Previews

White Background



This preview shows how the XYZ color 32.0902, 19.1442, 7.4727 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 32.0902, 19.1442, 7.4727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

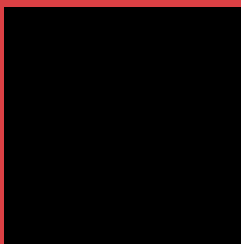
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.0902, 19.1442, 7.4727

Background



This preview shows how black text looks on a background with the XYZ color 32.0902, 19.1442, 7.4727.



This preview shows how white text looks on a background with the XYZ color 32.0902, 19.1442,

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

32.0902, 19.1442, 7.4727

Protanopia

18.1228, 19.4656, 12.2533

Deuteranopia

19.6125, 19.2906, 6.8274



Tritanopia

32.0599, 19.1321, 7.3133

Trichromacy



Original Color

32.0902, 19.1442, 7.4727

Protanomaly

21.2431, 17.6880, 10.0791

Deuteranomaly

22.8234, 18.0111, 6.8310

Tritanomaly

32.0599, 19.1321, 7.3133

Monochromacy



Original Color

32.0902, 19.1442, 7.4727

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

18.6459, 15.3157, 12.7999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0902, 19.1442, 7.4727 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(219, 64, 68)` looks like.

```
.text, #text, p{  
    color:rgb(219, 64, 68)  
}
```

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(219, 64, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 64, 68) }
```

Border

The CSS property to change the border of an element to XYZ 32.0902, 19.1442, 7.4727 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(219, 64, 68) }
```


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

```
.border{ border-color:rgb(219, 64, 68) }
```

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

Here you see how a box with a 4 pixel rgb(219, 64, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 64, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 64, 68);  
box-shadow:4px 4px 4px 4px rgb(219, 64,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0902, 19.1442, 7.4727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 64, 68) }
```

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

```
.background{ background-color: rgb(219, 64,  
68) }
```

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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