

Converting Colors

XYZ(32.0180, 19.3854, 2.0542)

Have a look what the booklet for
XYZ(32.0180, 19.3854, 2.0542)
contains.

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Color

**XYZ(32.0724, 19.4260,
2.0592)**

Conversions

Conversions Part 1

Format	Color
Hex	DE4200
RGB	222, 66, 0
RGB Percent	87%, 26%, 0%
CMY	0.1294, 0.7411, 1.0000
CMYK	0.00, 0.70, 1.00, 0.13
HSL	18°, 100%, 44%
HSV	18°, 100%, 87%
XYZ	32.0724, 19.4260, 2.0592
YIQ	105.1200, 114.1620, 12.5460

Conversions

Conversions Part 2

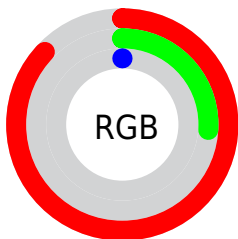
Format	Color
RYB	222, 94, 0
Decimal	14565888
CIELab	51.18, 58.52, 62.55
CIELCh	51, 85.654, 46.904
Yxy	19.4260, 0.5988, 0.3627
Android (android.graphics.Color)	4292755968 (0xFFDE4200)
YUV	105.1200, -51.8242, 102.5038
Hunter-Lab	44.0749, 52.7595, 28.0824

Details

The XYZ color **32.0724, 19.4260, 2.0592** 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 **25.0718, 29.0481, 73.3921**, and the grayscale version is **13.5755, 14.2825, 15.5536**.

A 20% lighter version of the original color is **49.1386, 35.7522, 8.5859**, and **13.9046, 7.1681, 0.6507** is the 20% darker color. If you saturate the color by 10%, you get **32.0727, 19.4269, 2.0593**, and if you desaturate by 10%, it is **33.2587, 21.5641, 3.1787**.

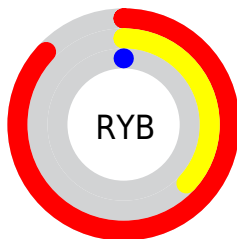
Distribution



Red (87%)

Green (26%)

Blue (0%)



Red (87%)

Yellow (37%)

Blue (0%)

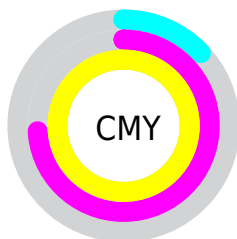


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0724, 19.4260, 2.0592 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 32.0724, 19.4260, 2.0592 by changing the saturation by 10% instead.


 32.0724, 19.4260,
2.0592


 32.0724, 19.4260,
2.0592


 303.1884,
248.7905, 123.2894


 21.5726, 11.9785,
0.5913


 62.2890, 42.4527,
9.2020


 13.6580, 6.7290,
0.0000


 82.7365, 58.8007,
15.7601


 7.9633, 3.2932,
0.0000

 107.2307, 78.8843,
24.8673

 4.1231, 1.2867,
0.0000

 136.1368,
103.0880, 36.9422

 1.7720, 0.1308,
0.0000

 169.8203,
131.7960, 52.4033


 0.5007, 0.0000,
0.0000


 208.6465,


 0.0000, 0.0000,


165.3928, 71.6691


0.0000


 252.9807,
204.2629, 95.1583


 32.0724, 19.4260,
2.0592


 32.0724, 19.4260,
2.0592


 32.0727, 19.4269,
2.0593

 33.2587, 21.5641,
3.1787

 34.8802, 24.3024,
5.2753

 37.0089, 27.6974,
8.6435

 39.6912, 31.7922,
13.4524

 42.9676, 36.6256,
19.8446

■ 46.8741, 42.2335,
27.9452

■ 51.4440, 48.6491,
37.8668

■ 56.7079, 55.9038,
49.7123

■ 62.6945, 64.0270,
63.5768

Harmonies

Analogous

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



38.9951, 19.4260, 10.2311



32.0724, 19.4260, 2.0592



22.4305, 19.4260, 0.3369

Triad

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



32.0724, 19.4260, 2.0592



6.6617, 19.4260, 12.2017



23.6494, 19.4260, 105.3032

Complementary

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



32.0724, 19.4260, 2.0592



25.0718, 29.0481, 73.3921

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.



14.9947, 19.4260, 107.6739



32.0724, 19.4260, 2.0592



6.8056, 19.4260, 37.9395

Square

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



32.0724, 19.4260, 2.0592



8.8979, 19.4260, 2.5620



9.3796, 19.4260, 77.2469



33.1979, 19.4260, 72.1349

Rectangle

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



32.0724, 19.4260, 2.0592



16.5635, 19.4260, 0.2246



9.3796, 19.4260, 77.2469



20.5042, 19.4260, 110.2993

Sweetspot

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



32.0728, 19.4272, 2.0595



70.2703, 66.3827, 51.4927



36.3907, 18.0362, 34.4099



14.4494, 13.3828, 9.7246



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.



32.0728, 19.4272, 2.0595



43.8121, 26.4042, 2.7874



45.2407, 45.7630, 6.4488



14.0377, 14.3615, 14.3390



19.1354, 11.7086, 1.2514



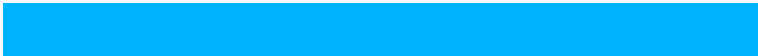
1.4028, 0.9645, 0.1122

Inverse Universe

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



25.0718, 29.0481, 73.3921



34.2060, 39.5321, 100.4353



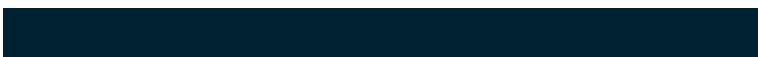
14.2459, 7.3962, 69.7834



13.7545, 14.8481, 17.5287



14.9933, 17.4563, 43.6275



1.1161, 1.3637, 3.0496

Previews

White Background



This preview shows how the XYZ color 32.0724, 19.4260, 2.0592 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 32.0724, 19.4260, 2.0592 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 32.0724, 19.4260, 2.0592

Background



This preview shows how black text looks on a background with the XYZ color 32.0724, 19.4260, 2.0592.



This preview shows how white text looks on a background with the XYZ color 32.0724, 19.4260,

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

32.0724, 19.4260, 2.0592

Protanopia

17.7291, 19.6351, 3.7197

Deuteranopia

19.7630, 19.4593, 2.7144



Tritanopia

33.0795, 19.5034, 6.8715

Trichromacy



Original Color

32.0724, 19.4260, 2.0592

Protanomaly

21.1998, 17.9722, 2.8036

Deuteranomaly

22.9581, 18.3191, 2.3259

Tritanomaly

32.6092, 19.4031, 4.1243

Monochromacy



Original Color

32.0724, 19.4260, 2.0592

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

16.9669, 14.1833, 7.1536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0724, 19.4260, 2.0592 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(222, 66, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 66, 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(222, 66, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 66, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.0724, 19.4260, 2.0592 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(222, 66, 0) }
```


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

```
.border{ border-color:rgb(222, 66, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 66, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 66, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 66, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 66, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.0724, 19.4260, 2.0592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 66, 0) }
```

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

```
.background{ background-color: rgb(222, 66,  
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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