

Converting Colors

XYZ(30.9836, 19.5986, 2.1499)

Have a look what the booklet for
XYZ(30.9836, 19.5986, 2.1499)
contains.

XYZ(31.0641, 19.6493, 2.1554)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.0641, 19.6493,
2.1554)**

Conversions

Conversions Part 1

Format	Color
Hex	D94A00
RGB	217, 74, 0
RGB Percent	85%, 29%, 0%
CMY	0.1490, 0.7098, 1.0000
CMYK	0.00, 0.66, 1.00, 0.15
HSL	20°, 100%, 43%
HSV	20°, 100%, 85%
XYZ	31.0641, 19.6493, 2.1554
YIQ	108.3210, 108.9820, 7.3020

Conversions

Conversions Part 2

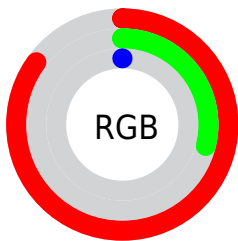
Format	Color
RYB	217, 112, 0
Decimal	14240256
CIELab	51.44, 53.73, 62.17
CIELCh	51, 82.170, 49.166
Yxy	19.6493, 0.5876, 0.3717
Android (android.graphics.Color)	4292430336 (0xFFD94A00)
YUV	108.3210, -53.4023, 95.3115
Hunter-Lab	44.3275, 47.5171, 28.1463

Details

The XYZ color **31.0641, 19.6493, 2.1554** 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 **22.3456, 24.6523, 69.2259**, and the grayscale version is **14.4693, 15.2228, 16.5776**.

A 20% lighter version of the original color is **49.9326, 37.2974, 8.9823**, and **13.1911, 6.8808, 0.6329** is the 20% darker color. If you saturate the color by 10%, you get **31.0644, 19.6502, 2.1556**, and if you desaturate by 10%, it is **32.2722, 21.8386, 3.2584**.

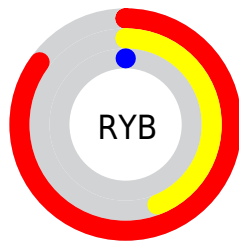
Distribution



Red (85%)

Green (29%)

Blue (0%)



Red (85%)

Yellow (44%)

Blue (0%)

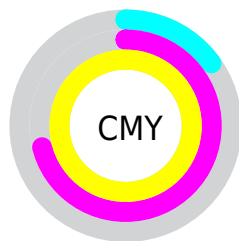


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (71%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0641, 19.6493, 2.1554 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 31.0641, 19.6493, 2.1554 by changing the saturation by 10% instead.

 31.0641, 19.6493,
2.1554


 31.0641, 19.6493,
2.1554


298.6551,
250.0102, 124.7450


 20.7997, 12.1404,
0.6485


 60.7161, 42.8284,
9.4615

 13.0893, 6.8394,
0.0000


 80.8345, 59.2674,
16.1309

 7.5675, 3.3618,
0.0000


 104.9683, 79.4519,
25.3693

 3.8689, 1.3234,
0.0000

 133.4827,
103.7662, 37.5952

 1.6283, 0.1592,
0.0000

 166.7433,
132.5948, 53.2272

 0.4107, 0.0000,
0.0000


 205.1153,


 0.0000, 0.0000,


166.3221, 72.6838


0.0000


 248.9642,
205.3324, 96.3836


 31.0641, 19.6493,
2.1554


 31.0641, 19.6493,
2.1554


 31.0644, 19.6502,
2.1556

 32.2722, 21.8386,
3.2584

 33.8699, 24.5517,
5.2782

 35.9226, 27.8354,
8.4960

 38.4713, 31.7245,
13.0703

 41.5514, 36.2506,
19.1349

■ 45.1948, 41.4426,
26.8074

■ 49.4306, 47.3275,
36.1935

■ 54.2857, 53.9308,
47.3897

■ 59.7852, 61.2766,
60.4854

Harmonies

Analogous

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



37.9862, 19.6493, 9.6910



31.0641, 19.6493, 2.1554



21.8140, 19.6493, 0.5580

Triad

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



31.0641, 19.6493, 2.1554



7.0396, 19.6493, 13.9513



24.3733, 19.6493, 99.2029

Complementary

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



31.0641, 19.6493, 2.1554



22.3456, 24.6523, 69.2259

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.



15.8545, 19.6493, 104.0219



31.0641, 19.6493, 2.1554



7.3549, 19.6493, 40.0086

Square

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



31.0641, 19.6493, 2.1554



9.0731, 19.6493, 3.3300



10.1163, 19.6493, 77.3341



33.4048, 19.6493, 66.8693

Rectangle

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



31.0641, 19.6493, 2.1554



16.2650, 19.6493, 0.5290



10.1163, 19.6493, 77.3341



21.3143, 19.6493, 104.6813

Sweetspot

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



31.0645, 19.6505, 2.1557



71.0597, 67.9614, 51.7558



33.7003, 16.7857, 28.1174



14.6331, 13.7501, 9.7859



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.



31.0645, 19.6505, 2.1557



44.6456, 28.0712, 3.0652



45.1051, 47.7316, 6.8359



13.4173, 13.7739, 13.6770



18.8933, 12.0721, 1.3344



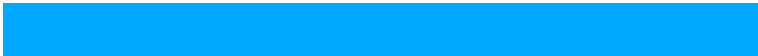
1.3024, 0.9389, 0.1126

Inverse Universe

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



22.3456, 24.6523, 69.2259



32.0585, 35.2370, 99.7195



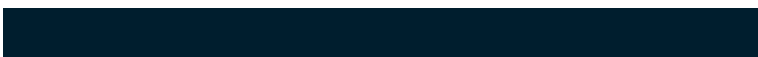
13.1603, 6.2817, 66.1641



13.0515, 14.0427, 16.6748



13.6285, 15.1264, 41.9398



0.9617, 1.1375, 2.7433

Previews

White Background



This preview shows how the XYZ color 31.0641, 19.6493, 2.1554 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 31.0641, 19.6493, 2.1554 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 31.0641, 19.6493, 2.1554

Background



This preview shows how black text looks on a background with the XYZ color 31.0641, 19.6493, 2.1554.



This preview shows how white text looks on a background with the XYZ color 31.0641, 19.6493,

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

31.0641, 19.6493, 2.1554

Protanopia

18.0098, 19.9661, 3.7152

Deuteranopia

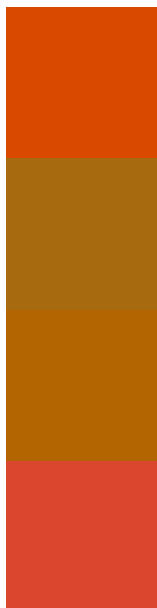
19.8789, 19.6911, 2.7530



Tritanopia

32.2442, 19.6427, 8.3953

Trichromacy



Original Color

31.0641, 19.6493, 2.1554

Protanomaly

21.1766, 18.5580, 2.9179

Deuteranomaly

23.0138, 18.7723, 2.4105

Tritanomaly

31.6598, 19.6092, 4.7011

Monochromacy



Original Color

31.0641, 19.6493, 2.1554

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

17.4698, 15.0913, 7.6224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0641, 19.6493, 2.1554 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(217, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 74, 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(217, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 74, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.0641, 19.6493, 2.1554 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(217, 74, 0) }
```


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

```
.border{ border-color:rgb(217, 74, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 74, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 74, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 74, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 74, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.0641, 19.6493, 2.1554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 74, 0) }
```

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

```
.background{ background-color: rgb(217, 74,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor