

Converting Colors

XYZ(28.1353, 19.3043, 2.2432)

Have a look what the booklet for
XYZ(28.1353, 19.3043, 2.2432)
contains.

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Color

**XYZ(28.1503, 19.3344,
2.2482)**

Conversions

Conversions Part 1

Format	Color
Hex	CC5500
RGB	204, 85, 0
RGB Percent	80%, 33%, 0%
CMY	0.2000, 0.6666, 1.0000
CMYK	0.00, 0.58, 1.00, 0.20
HSL	25°, 100%, 40%
HSV	25°, 100%, 80%
XYZ	28.1503, 19.3344, 2.2482
YIQ	110.8910, 98.2090, -1.2070

Conversions

Conversions Part 2

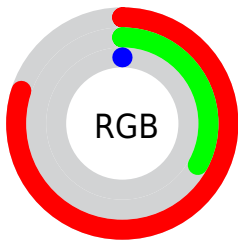
Format	Color
RYB	204, 146, 0
Decimal	13391104
CIELab	51.08, 44.17, 60.78
CIElCh	51, 75.132, 53.996
Yxy	19.3344, 0.5660, 0.3888
Android (android.graphics.Color)	4291581184 (0xFFCC5500)
YUV	110.8910, -54.6693, 81.6566
Hunter-Lab	43.9709, 37.3272, 27.7482

Details

The XYZ color **28.1503, 19.3344, 2.2482** is a dark color, and the websafe version is hex **CC6600**, and the color name is **burnt orange**. The color can be described as dark washed red. A complement of this color would be **17.4952, 17.5519, 59.5919**, and the grayscale version is **15.2123, 16.0046, 17.4290**.

A 20% lighter version of the original color is **51.1980, 39.7848, 9.5382**, and **11.6718, 6.7838, 0.6942** is the 20% darker color. If you saturate the color by 10%, you get **28.1505, 19.3352, 2.2484**, and if you desaturate by 10%, it is **29.2976, 21.4215, 3.2714**.

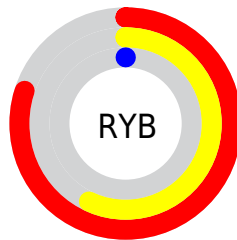
Distribution



Red (80%)

Green (33%)

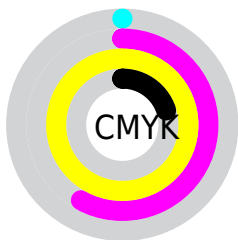
Blue (0%)



Red (80%)

Yellow (57%)

Blue (0%)

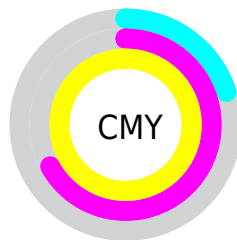


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (67%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1503, 19.3344, 2.2482 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 28.1503, 19.3344, 2.2482 by changing the saturation by 10% instead.


 28.1503, 19.3344,
2.2482


 28.1503, 19.3344,
2.2482


285.2515,
248.2887, 126.1190


 18.5800, 11.9122,
0.7020


 56.1313, 42.2984,
9.7089


 11.4694, 6.6839,
0.0000


 75.2727, 58.6089,
16.4835

 6.4531, 3.2652,
0.0000


 98.3352, 78.6510,
25.8457

 3.1658, 1.2717,
0.0000

 125.6841,
102.8091, 38.2140

 1.2420, 0.1191,
0.0000

 157.6849,
131.4675, 54.0069


 0.1392, 0.0000,
0.0000


 194.7028,


 0.0000, 0.0000,


165.0106, 73.6430


0.0000


 237.1032,
203.8229, 97.5409


 28.1503, 19.3344,
2.2482


 28.1503, 19.3344,
2.2482


 28.1505, 19.3352,
2.2484

 29.2976, 21.4215,
3.2714

 30.7464, 23.8920,
5.0710

 32.5510, 26.7797,
7.8970

 34.7431, 30.1076,
11.8838

 37.3498, 33.8963,
17.1452

■ 40.3958, 38.1651,
23.7810

■ 43.9032, 42.9317,
31.8810

■ 47.8927, 48.2131,
41.5274

■ 52.3836, 54.0252,
52.7962

Harmonies

Analogous

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



34.8180, 19.3344, 8.3863



28.1503, 19.3344, 2.2482



19.9163, 19.3344, 0.9328

Triad

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



28.1503, 19.3344, 2.2482



7.4940, 19.3344, 17.0455



24.8404, 19.3344, 85.1834

Complementary

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



28.1503, 19.3344, 2.2482



17.4952, 17.5519, 59.5919

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.



16.9187, 19.3344, 93.8978



28.1503, 19.3344, 2.2482



8.1499, 19.3344, 42.5343

Square

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



28.1503, 19.3344, 2.2482



9.0528, 19.3344, 4.9714



11.1762, 19.3344, 74.7444



32.5736, 19.3344, 55.5539

Rectangle

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



28.1503, 19.3344, 2.2482



15.1250, 19.3344, 1.0631



11.1762, 19.3344, 74.7444



22.0641, 19.3344, 91.2326

Sweetspot

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



28.1507, 19.3355, 2.2485



72.4661, 70.7743, 52.2246



28.2314, 14.1692, 18.7000



14.9620, 14.4080, 9.8955



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.



28.1507, 19.3355, 2.2485



46.4207, 31.6214, 3.6569



42.6718, 48.3776, 7.0889



11.5900, 11.9689, 11.7788



17.8058, 12.3446, 1.4443



0.9930, 0.7856, 0.0993

Inverse Universe

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



17.4952, 17.5519, 59.5919



28.7566, 28.6333, 98.6189



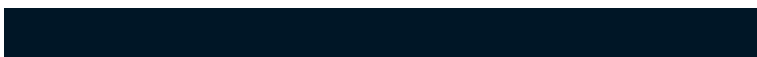
11.0995, 4.7606, 57.4600



11.1362, 11.9129, 14.2829



11.1054, 11.2348, 37.5395



0.6468, 0.7274, 1.9612

Previews

White Background



This preview shows how the XYZ color 28.1503, 19.3344, 2.2482 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 28.1503, 19.3344, 2.2482 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 28.1503, 19.3344, 2.2482

Background



This preview shows how black text looks on a background with the XYZ color 28.1503, 19.3344, 2.2482.



This preview shows how white text looks on a background with the XYZ color 28.1503, 19.3344,

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

28.1503, 19.3344, 2.2482

Protanopia

17.6905, 19.6197, 3.5164

Deuteranopia

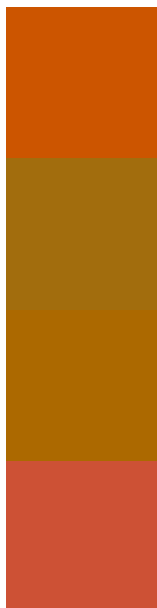
19.5718, 19.3608, 2.7055



Tritanopia

29.8498, 19.3539, 10.5499

Trichromacy



Original Color

28.1503, 19.3344, 2.2482

Protanomaly

20.4416, 18.6477, 2.9028

Deuteranomaly

22.0648, 18.8738, 2.4801

Tritanomaly

28.7619, 19.1210, 5.5430

Monochromacy



Original Color

28.1503, 19.3344, 2.2482

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

17.5658, 15.9774, 8.1194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1503, 19.3344, 2.2482 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(204, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 85, 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(204, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 85, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.1503, 19.3344, 2.2482 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(204, 85, 0) }
```


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

```
.border{ border-color:rgb(204, 85, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 85, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 85, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.1503, 19.3344, 2.2482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 85, 0) }
```

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

```
.background{ background-color: rgb(204, 85,  
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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