

Converting Colors

XYZ(27.9753, 18.9844, 2.1899)

Have a look what the booklet for
XYZ(27.9753, 18.9844, 2.1899)
contains.

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Color

**XYZ(27.9951, 19.0239,
2.1965)**

Conversions

Conversions Part 1

Format	Color
Hex	CC5300
RGB	204, 83, 0
RGB Percent	80%, 33%, 0%
CMY	0.2000, 0.6745, 1.0000
CMYK	0.00, 0.59, 1.00, 0.20
HSL	24°, 100%, 40%
HSV	24°, 100%, 80%
XYZ	27.9951, 19.0239, 2.1965
YIQ	109.7170, 98.7590, -0.1610

Conversions

Conversions Part 2

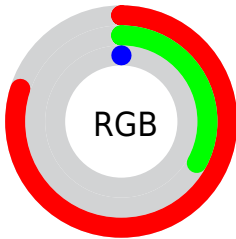
Format	Color
RYB	204, 140, 0
Decimal	13390592
CIELab	50.72, 45.11, 60.58
CIELCh	51, 75.531, 53.329
Yxy	19.0239, 0.5688, 0.3865
Android (android.graphics.Color)	4291580672 (0xFFCC5300)
YUV	109.7170, -54.0905, 82.6862
Hunter-Lab	43.6164, 38.2412, 27.5457

Details

The XYZ color **27.9951, 19.0239, 2.1965** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **17.7360, 18.0335, 59.6723**, and the grayscale version is **14.8710, 15.6455, 17.0379**.

A 20% lighter version of the original color is **50.8865, 39.2052, 9.3002**, and **11.5947, 6.6295, 0.6685** is the 20% darker color. If you saturate the color by 10%, you get **27.9953, 19.0245, 2.1966**, and if you desaturate by 10%, it is **29.1334, 21.0930, 3.2167**.

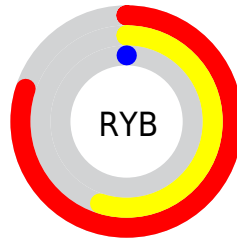
Distribution



Red (80%)

Green (33%)

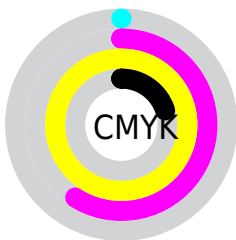
Blue (0%)



Red (80%)

Yellow (55%)

Blue (0%)

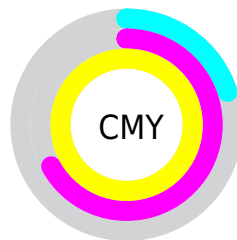


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (67%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9951, 19.0239, 2.1965 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 27.9951, 19.0239, 2.1965 by changing the saturation by 10% instead.

 27.9951, 19.0239,
2.1965


 27.9951, 19.0239,
2.1965


284.5240,
246.5807, 125.3571


 18.4624, 11.6875,
0.6723


 55.8853, 41.7745,
9.5714


 11.3842, 6.5313,
0.0000


 74.9735, 57.9575,
16.2876


 6.3950, 3.1708,
0.0000


 97.9777, 77.8582,
25.5812

 3.1297, 1.2215,
0.0000

 125.2630,
101.8610, 37.8706

 1.2227, 0.0792,
0.0000

 157.1950,
130.3502, 53.5743

 0.1242, 0.0000,
0.0000


 194.1389,


 0.0000, 0.0000,


163.7103, 73.1109


0.0000

 236.4601,
202.3257, 96.8990


 27.9951, 19.0239,
2.1965


 27.9951, 19.0239,
2.1965


 27.9953, 19.0245,
2.1966

 29.1334, 21.0930,
3.2167

 30.5777, 23.5545,
5.0149

 32.3828, 26.4430,
7.8411

 34.5805, 29.7822,
11.8300

 37.1986, 33.5936,
17.0952

■ 40.2618, 37.8968,
23.7368

■ 43.7928, 42.7106,
31.8448

■ 47.8124, 48.0521,
41.5014

■ 52.3402, 53.9380,
52.7827

Harmonies

Analogous

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



34.5735, 19.0239, 8.3924



27.9951, 19.0239, 2.1965



19.7877, 19.0239, 0.8684

Triad

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



27.9951, 19.0239, 2.1965



7.3011, 19.0239, 16.3262



24.3312, 19.0239, 85.3145

Complementary

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



27.9951, 19.0239, 2.1965



17.7360, 18.0335, 59.6723

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.



16.4766, 19.0239, 93.4204



27.9951, 19.0239, 2.1965



7.9004, 19.0239, 41.4392

Square

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



27.9951, 19.0239, 2.1965



8.8923, 19.0239, 4.6520



10.8376, 19.0239, 73.7058



32.0861, 19.0239, 55.8883

Rectangle

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



27.9951, 19.0239, 2.1965



14.9918, 19.0239, 0.9749



10.8376, 19.0239, 73.7058



21.5694, 19.0239, 91.1918

Sweetspot

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



27.9955, 19.0250, 2.1968



72.2808, 70.4037, 52.1628



28.4395, 14.2525, 19.7951



14.9186, 14.3211, 9.8810



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.



27.9955, 19.0250, 2.1968



46.1658, 31.1117, 3.5719



41.9591, 46.9522, 6.8513



11.5809, 11.9507, 11.7758



17.7070, 12.1470, 1.4113



0.9875, 0.7746, 0.0975

Inverse Universe

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



17.7360, 18.0335, 59.6723



29.1558, 29.4317, 98.7519



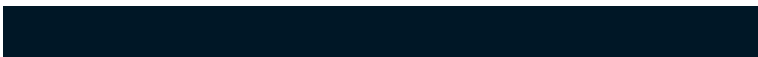
11.1564, 4.8743, 57.4791



11.1456, 11.9316, 14.2860



11.2566, 11.5372, 37.5899



0.6541, 0.7420, 1.9637

Previews

White Background



This preview shows how the XYZ color 27.9951, 19.0239, 2.1965 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 27.9951, 19.0239, 2.1965 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 27.9951, 19.0239, 2.1965

Background



This preview shows how black text looks on a background with the XYZ color 27.9951, 19.0239, 2.1965.



This preview shows how white text looks on a background with the XYZ color 27.9951, 19.0239,

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

27.9951, 19.0239, 2.1965

Protanopia

17.4023, 19.2879, 3.4676

Deuteranopia

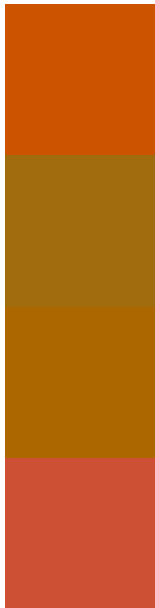
19.2676, 19.0338, 2.6584



Tritanopia

29.6305, 19.0388, 10.0958

Trichromacy



Original Color

27.9951, 19.0239, 2.1965

Protanomaly

20.1332, 18.3312, 2.8579

Deuteranomaly

21.8635, 18.4712, 2.4130

Tritanomaly

28.5927, 18.8190, 5.3742

Monochromacy



Original Color

27.9951, 19.0239, 2.1965

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

17.1643, 15.4858, 7.8788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9951, 19.0239, 2.1965 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, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 83, 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, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 83, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.9951, 19.0239, 2.1965 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, 83, 0) }
```


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

```
.border{ border-color:rgb(204, 83, 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, 83, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 83, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.9951, 19.0239, 2.1965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 83, 0) }
```

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

```
.background{ background-color: rgb(204, 83,  
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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