

Converting Colors

XYZ(27.8603, 19.7828, 2.3513)

Have a look what the booklet for
XYZ(27.8603, 19.7828, 2.3513)
contains.

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Color

**XYZ(27.7436, 19.7298,
2.3460)**

Conversions

Conversions Part 1

Format	Color
Hex	C95A00
RGB	201, 90, 0
RGB Percent	79%, 35%, 0%
CMY	0.2118, 0.6470, 1.0000
CMYK	0.00, 0.55, 1.00, 0.21
HSL	27°, 100%, 39%
HSV	27°, 100%, 79%
XYZ	27.7436, 19.7298, 2.3460
YIQ	112.9290, 95.0460, -4.4580

Conversions

Conversions Part 2

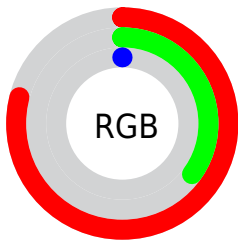
Format	Color
RYB	201, 163, 0
Decimal	13195776
CIELab	51.53, 40.60, 60.78
CIELCh	52, 73.089, 56.261
Yxy	19.7298, 0.5569, 0.3960
Android (android.graphics.Color)	4291385856 (0xFFC95A00)
YUV	112.9290, -55.6740, 77.2383
Hunter-Lab	44.4182, 33.7591, 27.9613

Details

The XYZ color **27.7436, 19.7298, 2.3460** 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 **16.2269, 15.5855, 57.4111**, and the grayscale version is **15.8160, 16.6397, 18.1206**.

A 20% lighter version of the original color is **51.7825, 40.9538, 9.7331**, and **11.3730, 6.9400, 0.7401** is the 20% darker color. If you saturate the color by 10%, you get **27.7438, 19.7304, 2.3461**, and if you desaturate by 10%, it is **28.8785, 21.7963, 3.3518**.

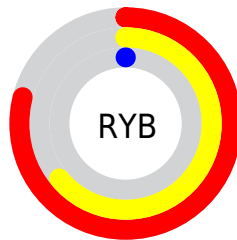
Distribution



Red (79%)

Green (35%)

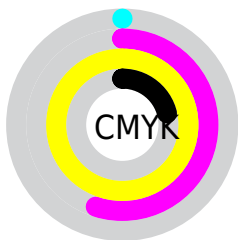
Blue (0%)



Red (79%)

Yellow (64%)

Blue (0%)

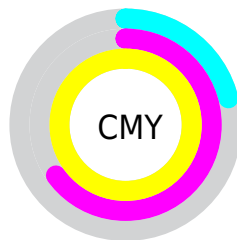


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (21%)



Cyan (21%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7436, 19.7298, 2.3460 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 27.7436, 19.7298, 2.3460 by changing the saturation by 10% instead.


 27.7436, 19.7298,
2.3460


 27.7436, 19.7298,
2.3460


283.3421,
250.4486, 127.5372


 18.2719, 12.1988,
0.7568


 55.4863, 42.9637,
9.9668

 11.2463, 6.8792,
0.0000


 74.4881, 59.4354,
16.8501

 6.3012, 3.3867,
0.0000


 97.3973, 79.6561,
26.3399

 3.0715, 1.3368,
0.0000

 124.5793,
104.0102, 38.8549

 1.1917, 0.1694,
0.0000

 156.3994,
132.8821, 54.8136

 0.0998, 0.0000,
0.0000


 193.2230,


 0.0000, 0.0000,


166.6562, 74.6345


0.0000


 235.4154,
205.7169, 98.7362


 27.7436, 19.7298,
2.3460


 27.7436, 19.7298,
2.3460

 27.7438, 19.7304,
2.3461

 28.8785, 21.7963,
3.3518

 30.2907, 24.2059,
5.1015

 32.0319, 26.9887,
7.8385

 34.1314, 30.1650,
11.6916

 36.6147, 33.7527,
16.7703

■ 39.5044, 37.7685,
23.1704

■ 42.8211, 42.2278,
30.9782

■ 46.5838, 47.1452,
40.2728

■ 50.8104, 52.5346,
51.1271

Harmonies

Analogous

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



34.4876, 19.7298, 8.0937



27.7436, 19.7298, 2.3460



19.6891, 19.7298, 1.1202

Triad

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



27.7436, 19.7298, 2.3460



7.8934, 19.7298, 18.9504



25.7229, 19.7298, 82.0205

Complementary

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



27.7436, 19.7298, 2.3460



16.2269, 15.5855, 57.4111

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.



17.8463, 19.7298, 92.4210



27.7436, 19.7298, 2.3460



8.7229, 19.7298, 44.8144

Square

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



27.7436, 19.7298, 2.3460



9.2878, 19.7298, 5.9362



11.9500, 19.7298, 75.7424



33.1231, 19.7298, 52.6975

Rectangle

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



27.7436, 19.7298, 2.3460



15.0688, 19.7298, 1.3479



11.9500, 19.7298, 75.7424



22.9926, 19.7298, 88.4270

Sweetspot

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



27.7440, 19.7309, 2.3463



73.0589, 71.9599, 52.4222



27.1190, 13.6302, 17.0919



15.1013, 14.6865, 9.9419



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.



27.7440, 19.7309, 2.3463



47.2781, 33.3362, 3.9427



41.9852, 48.2132, 7.0934



11.0183, 11.4058, 11.1836



17.5329, 12.5830, 1.5047



0.9022, 0.7399, 0.0953

Inverse Universe

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



16.2269, 15.5855, 57.4111



27.5478, 26.2155, 98.2159



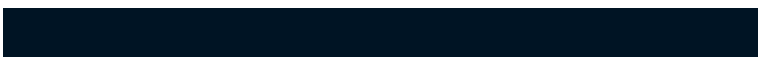
10.6918, 4.5154, 55.5661



10.5341, 11.2422, 13.5323



10.2953, 9.9845, 36.1289



0.5590, 0.6158, 1.7345

Previews

White Background



This preview shows how the XYZ color 27.7436, 19.7298, 2.3460 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 27.7436, 19.7298, 2.3460 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 27.7436, 19.7298, 2.3460

Background



This preview shows how black text looks on a background with the XYZ color 27.7436, 19.7298, 2.3460.



This preview shows how white text looks on a background with the XYZ color 27.7436, 19.7298,

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

27.7436, 19.7298, 2.3460

Protanopia

17.9727, 19.9513, 3.5198

Tritanopia

29.6021, 19.7584, 11.7047

Trichromacy



Original Color

27.7436, 19.7298, 2.3460

Protanomaly

20.7608, 19.2963, 2.9782

Tritanomaly

28.4234, 19.5075, 6.1381

Monochromacy



Original Color

27.7436, 19.7298, 2.3460

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.8983, 16.5908, 8.3899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7436, 19.7298, 2.3460 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(201, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 90, 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(201, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 90, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.7436, 19.7298, 2.3460 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(201, 90, 0) }
```

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

```
.border{ border-color:rgb(201, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 27.7436, 19.7298, 2.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 90, 0) }
```

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

```
.background{ background-color: rgb(201, 90,  
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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