

Converting Colors

XYZ(29.3780, 21.1617, 1.3525)

Have a look what the booklet for
XYZ(29.3780, 21.1617, 1.3525)
contains.

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Color

**XYZ(29.4563, 21.1272,
2.5254)**

Conversions

Conversions Part 1

Format	Color
Hex	CE5E00
RGB	206, 94, 0
RGB Percent	81%, 37%, 0%
CMY	0.1922, 0.6313, 1.0000
CMYK	0.00, 0.54, 1.00, 0.19
HSL	27°, 100%, 40%
HSV	27°, 100%, 81%
XYZ	29.4563, 21.1272, 2.5254
YIQ	116.7720, 96.9260, -5.4900

Conversions

Conversions Part 2

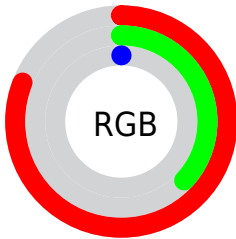
Format	Color
RYB	206, 173, 0
Decimal	13524480
CIELab	53.09, 40.57, 62.08
CIElCh	53, 74.161, 56.837
Yxy	21.1272, 0.5546, 0.3978
Android (android.graphics.Color)	4291714560 (0xFFCE5E00)
YUV	116.7720, -57.5686, 78.2530
Hunter-Lab	45.9643, 33.9544, 28.9175

Details

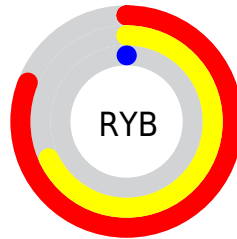
The XYZ color **29.4563, 21.1272, 2.5254** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **16.9343, 16.0437, 60.5963**, and the grayscale version is **16.9903, 17.8751, 19.4660**.

A 20% lighter version of the original color is **52.5709, 42.4863, 10.1325**, and **12.3655, 7.6570, 0.8262** is the 20% darker color. If you saturate the color by 10%, you get **29.4566, 21.1280, 2.5256**, and if you desaturate by 10%, it is **30.6578, 23.3197, 3.5757**.

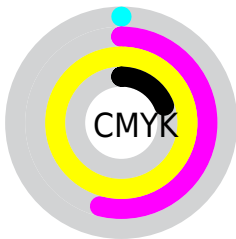
Distribution



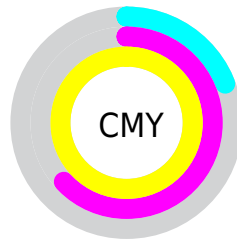
- Red (81%)
- Green (37%)
- Blue (0%)



- Red (81%)
- Yellow (68%)
- Blue (0%)



- Cyan (0%)
- Magenta (54%)
- Yellow (100%)
- Black (19%)




- Cyan (19%)
- Magenta (63%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4563, 21.1272, 2.5254 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 29.4563, 21.1272, 2.5254 by changing the saturation by 10% instead.


 29.4563, 21.1272,
2.5254


 29.4563, 21.1272,
2.5254


291.3174,
257.9537, 130.0653


 19.5723, 13.2170,
0.8536


 58.1938, 45.2991,
10.4330


 12.1910, 7.5782,
0.0000


 77.7781, 62.3297,
17.5100


 6.9470, 3.8262,
0.0000


 101.3264, 83.1691,
27.2272

 3.4750, 1.5768,
0.0000

 129.2042,
108.2019, 40.0032

 1.4097, 0.3419,
0.0000

 161.7769,
137.8123, 56.2564


 0.2631, 0.0000,
0.0000


 199.4097,


 0.0000, 0.0000,


172.3848, 76.4055


0.0000


 242.4681,
212.3038, 100.8689


 29.4563, 21.1272,
2.5254


 29.4563, 21.1272,
2.5254


 29.4566, 21.1280,
2.5256

 30.6578, 23.3197,
3.5757

 32.1495, 25.8678,
5.4150

 33.9853, 28.8029,
8.2975

 36.1962, 32.1458,
12.3604

 38.8088, 35.9151,
17.7197

■ 41.8469, 40.1279,
24.4774

■ 45.3324, 44.8003,
32.7251

■ 49.2851, 49.9472,
42.5467

■ 53.7238, 55.5831,
54.0195

Harmonies

Analogous

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



36.6624, 21.1272, 8.5481



29.4563, 21.1272, 2.5254



20.9201, 21.1272, 1.2460

Triad

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



29.4563, 21.1272, 2.5254



8.5172, 21.1272, 20.7134



27.6435, 21.1272, 86.5844

Complementary

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



29.4563, 21.1272, 2.5254



16.9343, 16.0437, 60.5963

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.



19.2642, 21.1272, 98.0988



29.4563, 21.1272, 2.5254



9.4485, 21.1272, 48.3633

Square

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



29.4563, 21.1272, 2.5254



9.9582, 21.1272, 6.5963



12.9412, 21.1272, 80.9730



35.4396, 21.1272, 55.4209

Rectangle

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



29.4563, 21.1272, 2.5254



16.0413, 21.1272, 1.5180



12.9412, 21.1272, 80.9730



24.7471, 21.1272, 93.5015

Sweetspot

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



29.4568, 21.1284, 2.5258



73.2236, 72.2894, 52.4771



28.4511, 14.3208, 16.9765



15.1401, 14.7640, 9.9548



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.



29.4568, 21.1284, 2.5258



47.5276, 33.8353, 4.0259



45.1256, 52.4662, 7.7487



11.6270, 12.0429, 11.7911



18.2331, 13.1991, 1.5867



1.0162, 0.8320, 0.1070

Inverse Universe

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



16.9343, 16.0437, 60.5963



27.2297, 25.5795, 98.1099



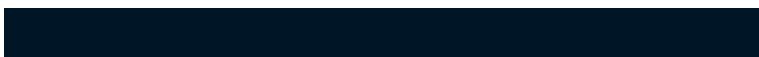
11.2524, 4.6799, 58.7023



11.0986, 11.8377, 14.2703



10.5257, 10.0753, 37.3462



0.6183, 0.6704, 1.9518

Previews

White Background



This preview shows how the XYZ color 29.4563, 21.1272, 2.5254 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 29.4563, 21.1272, 2.5254 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 29.4563, 21.1272, 2.5254

Background



This preview shows how black text looks on a background with the XYZ color 29.4563, 21.1272, 2.5254.



This preview shows how white text looks on a background with the XYZ color 29.4563, 21.1272,

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

29.4563, 21.1272, 2.5254

Protanopia

19.3383, 21.4147, 3.7303

Deuteranopia

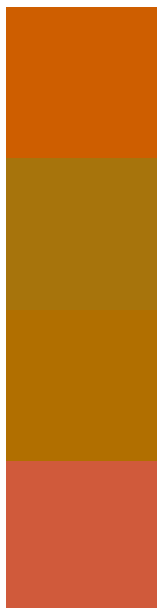
21.5353, 21.2518, 2.9670



Tritanopia

31.6785, 21.1620, 12.7710

Trichromacy



Original Color

29.4563, 21.1272, 2.5254

Protanomaly

22.2481, 20.7328, 3.1771

Deuteranomaly

23.8159, 20.7160, 2.7434

Tritanomaly

30.4580, 21.0380, 6.5931

Monochromacy



Original Color

29.4563, 21.1272, 2.5254

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

19.0991, 17.8213, 8.9118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4563, 21.1272, 2.5254 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(206, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 94, 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(206, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 94, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.4563, 21.1272, 2.5254 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(206, 94, 0) }
```


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

```
.border{ border-color:rgb(206, 94, 0) }
```

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

Here you see how a box with a 4 pixel rgb(206, 94, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 94, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.4563, 21.1272, 2.5254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 94, 0) }
```

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

```
.background{ background-color: rgb(206, 94,  
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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