

Converting Colors

XYZ(29.2914, 20.0611, 0.6674)

Have a look what the booklet for
XYZ(29.2914, 20.0611, 0.6674)
contains.

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Color

**XYZ(29.6223, 20.2109,
2.3398)**

Conversions

Conversions Part 1

Format	Color
Hex	D15600
RGB	209, 86, 0
RGB Percent	82%, 34%, 0%
CMY	0.1804, 0.6627, 1.0000
CMYK	0.00, 0.59, 1.00, 0.18
HSL	25°, 100%, 41%
HSV	25°, 100%, 82%
XYZ	29.6223, 20.2109, 2.3398
YIQ	112.9730, 100.9140, -0.6700

Conversions

Conversions Part 2

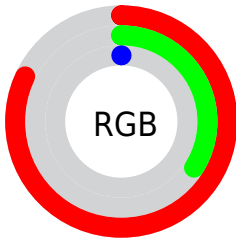
Format	Color
RYB	209, 146, 0
Decimal	13719040
CIELab	52.07, 45.57, 61.77
CIElCh	52, 76.759, 53.580
Yxy	20.2109, 0.5678, 0.3874
Android (android.graphics.Color)	4291909120 (0xFFD15600)
YUV	112.9730, -55.6957, 84.2157
Hunter-Lab	44.9565, 38.9415, 28.3838

Details

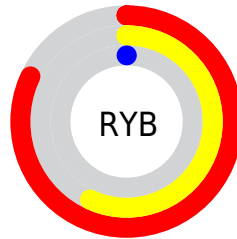
The XYZ color **29.6223, 20.2109, 2.3398** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **18.5909, 18.7681, 62.9639**, and the grayscale version is **15.8281, 16.6524, 18.1344**.

A 20% lighter version of the original color is **51.3421, 40.0730, 9.5863**, and **12.3706, 7.1440, 0.7269** is the 20% darker color. If you saturate the color by 10%, you get **29.6226, 20.2117, 2.3400**, and if you desaturate by 10%, it is **30.8252, 22.4020, 3.4041**.

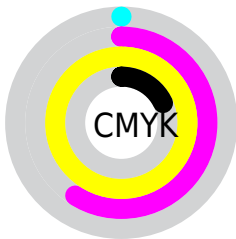
Distribution



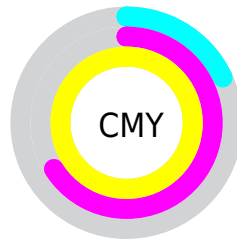
- Red (82%)
- Green (34%)
- Blue (0%)



- Red (82%)
- Yellow (57%)
- Blue (0%)



- Cyan (0%)
- Magenta (59%)
- Yellow (100%)
- Black (18%)





- Cyan (18%)
- Magenta (66%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6223, 20.2109, 2.3398 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 29.6223, 20.2109, 2.3398 by changing the saturation by 10% instead.

 29.6223, 20.2109,
2.3398


 29.6223, 20.2109,
2.3398


292.0814,
253.0546, 127.4482

 19.6987, 12.5484,
0.7534


 58.4551, 43.7705,
9.9506

 12.2832, 7.1183,
0.0000


 78.0950, 60.4364,
16.8270


 7.0104, 3.5362,
0.0000


 101.7044, 80.8723,
26.3088

 3.5150, 1.4177,
0.0000

 129.6487,
105.4625, 38.8146

 1.4316, 0.2297,
0.0000

 162.2932,
134.5914, 54.7629


 0.2786, 0.0000,
0.0000


 200.0032,


 0.0000, 0.0000,


168.6435, 74.5722


0.0000


 243.1442,
208.0031, 98.6611


 29.6223, 20.2109,
2.3398

 29.6223, 20.2109,
2.3398


 29.6226, 20.2117,
2.3400

 30.8252, 22.4020,
3.4041

 32.3503, 25.0042,
5.2933

 34.2545, 28.0534,
8.2687

 36.5717, 31.5744,
12.4732

 39.3310, 35.5897,
18.0276

■ 42.5586, 40.1199,
25.0382

■ 46.2784, 45.1844,
33.6002

■ 50.5124, 50.8013,
43.8010

■ 55.2812, 56.9878,
55.7212

Harmonies

Analogous

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



36.6041, 20.2109, 8.8592



29.6223, 20.2109, 2.3398



20.9453, 20.2109, 0.9443

Triad

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



29.6223, 20.2109, 2.3398



7.7857, 20.2109, 17.5229



25.8936, 20.2109, 90.0331

Complementary

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



29.6223, 20.2109, 2.3398



18.5909, 18.7681, 62.9639

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.



17.5730, 20.2109, 98.8344



29.6223, 20.2109, 2.3398



8.4409, 20.2109, 44.1901

Square

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



29.6223, 20.2109, 2.3398



9.4532, 20.2109, 5.0375



11.5776, 20.2109, 78.2397



34.0738, 20.2109, 58.8804

Rectangle

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



29.6223, 20.2109, 2.3398



15.8830, 20.2109, 1.0639



11.5776, 20.2109, 78.2397



22.9715, 20.2109, 96.3076

Sweetspot

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



29.6227, 20.2121, 2.3401



72.3680, 70.5781, 52.1919



30.0217, 15.0462, 20.8585



14.9390, 14.3620, 9.8878



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.



29.6227, 20.2121, 2.3401



46.2850, 31.3501, 3.6117



44.2988, 49.5643, 7.2322



12.2026, 12.5959, 12.4001



18.3564, 12.6458, 1.4734



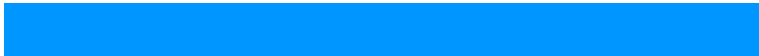
1.1037, 0.8617, 0.1082

Inverse Universe

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



18.5909, 18.7681, 62.9639



28.9666, 29.0532, 98.6889



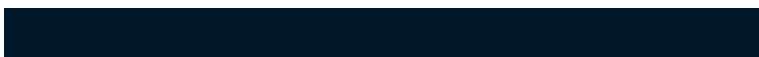
11.7750, 5.1362, 60.6919



11.7335, 12.5573, 15.0490



11.5617, 11.7701, 38.8550



0.7236, 0.8124, 2.1982

Previews

White Background



This preview shows how the XYZ color 29.6223, 20.2109, 2.3398 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



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 29.6223, 20.2109, 2.3398

Background



This preview shows how black text looks on a background with the XYZ color 29.6223, 20.2109, 2.3398.



This preview shows how white text looks on a background with the XYZ color 29.6223, 20.2109,

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

29.6223, 20.2109, 2.3398

Protanopia

18.4444, 20.3805, 3.6235

Deuteranopia

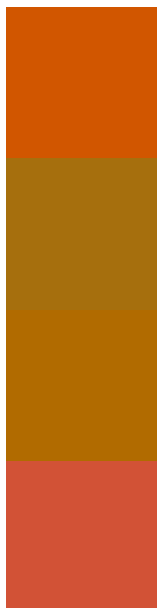
20.6974, 20.4628, 2.8588



Tritanopia

31.3723, 20.2421, 10.8479

Trichromacy



Original Color

29.6223, 20.2109, 2.3398

Protanomaly

21.4830, 19.5049, 3.0133

Deuteranomaly

23.3892, 19.8625, 2.6011

Tritanomaly

30.2615, 20.0026, 5.7560

Monochromacy



Original Color

29.6223, 20.2109, 2.3398

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

18.2327, 16.4643, 8.3478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6223, 20.2109, 2.3398 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(209, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 86, 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(209, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 86, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.6223, 20.2109, 2.3398 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(209, 86, 0) }
```


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

```
.border{ border-color:rgb(209, 86, 0) }
```

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

Here you see how a box with a 4 pixel rgb(209, 86, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 86, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.6223, 20.2109, 2.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 86, 0) }
```

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

```
.background{ background-color: rgb(209, 86,  
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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