

Converting Colors

XYZ(29.5040, 15.2361, 1.9732)

Have a look what the booklet for
XYZ(29.5040, 15.2361, 1.9732)
contains.

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Color

**XYZ(29.6461, 15.3027,
1.9635)**

Conversions

Conversions Part 1

Format	Color
Hex	DC0212
RGB	220, 2, 18
RGB Percent	86%, 1%, 7%
CMY	0.1373, 0.9920, 0.9294
CMYK	0.00, 0.99, 0.92, 0.14
HSL	356°, 98%, 44%
HSV	356°, 99%, 86%
XYZ	29.6461, 15.3027, 1.9635
YIQ	69.0060, 124.7920, 51.1920

Conversions

Conversions Part 2

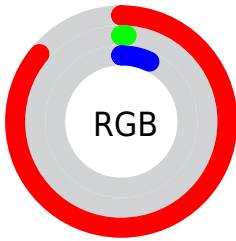
Format	Color
RYB	220, 2, 18
Decimal	14418450
CIELab	46.05, 71.65, 54.53
CIElCh	46, 90.039, 37.273
Yxy	15.3027, 0.6319, 0.3262
Android (android.graphics.Color)	4292608530 (0xFFDC0212)
YUV	69.0060, -25.1460, 132.4217
Hunter-Lab	39.1187, 66.8186, 24.4071

Details

The XYZ color **29.6461, 15.3027, 1.9635** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **36.5233, 55.5611, 65.9553**, and the grayscale version is **5.6874, 5.9836, 6.5162**.

A 20% lighter version of the original color is **45.7957, 28.7981, 8.2991**, and **13.3264, 6.8700, 0.6237** is the 20% darker color. If you saturate the color by 10%, you get **29.6093, 15.2533, 1.8778**, and if you desaturate by 10%, it is **30.1988, 16.0133, 3.3662**.

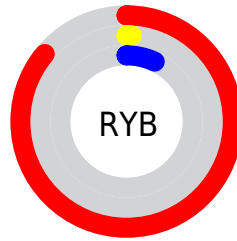
Distribution



Red (86%)

Green (1%)

Blue (7%)



Red (86%)

Yellow (1%)

Blue (7%)

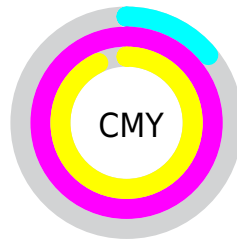


Cyan (0%)

Magenta (99%)

Yellow (92%)

Black (14%)



Cyan (14%)


Magenta (99%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6461, 15.3027, 1.9635 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 29.6461, 15.3027, 1.9635 by changing the saturation by 10% instead.


 29.6461, 15.3027,
1.9635


 29.6461, 15.3027,
1.9635


292.1909,
225.1911, 121.8074

 19.7169, 9.0321,
0.5327


 58.4925, 35.3833,
8.9408


 12.2965, 4.7621,
0.0000


 78.1404, 49.9622,
15.3855


 7.0195, 2.1084,
0.0000


 101.7586, 68.0792,
24.3590

 3.5208, 0.6693,
0.0000

 129.7124, 90.1188,
36.2799

 1.4348, 0.0000,
0.0000

 162.3672,
116.4654, 51.5666


 0.2808, 0.0000,
0.0000


 200.0883,


 0.0000, 0.0000,


147.5034, 70.6377


0.0000


 243.2410,
183.6172, 93.9118


 29.6461, 15.3027,
1.9635


 29.6461, 15.3027,
1.9635


 29.6093, 15.2533,
1.8778

 30.1988, 16.0133,
3.3662

 31.2776, 17.4868,
5.8347

 33.0025, 19.9226,
9.5358

 35.4543, 23.4476,
14.6025

 38.7016, 28.1694,
21.1508

■ 42.8055, 34.1826,
29.2842

■ 47.8207, 41.5723,
39.0969

■ 53.7977, 50.4166,
50.6759

■ 60.7829, 60.7874,
64.1020

Harmonies

Analogous

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



34.5251, 15.3027, 11.8830



29.6461, 15.3027, 1.9635



20.9903, 15.3027, 0.0000

Triad

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



29.6461, 15.3027, 1.9635



4.7671, 15.3027, 5.1205



16.4850, 15.3027, 102.9354

Complementary

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



29.6461, 15.3027, 1.9635



36.5233, 55.5611, 65.9553

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.



9.5756, 15.3027, 93.3886



29.6461, 15.3027, 1.9635



4.2974, 15.3027, 22.5762

Square

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



29.6461, 15.3027, 1.9635



7.3387, 15.3027, 0.5412



5.7070, 15.3027, 57.3360



25.3787, 15.3027, 77.5700

Rectangle

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



29.6461, 15.3027, 1.9635



15.2549, 15.3027, 0.0000



5.7070, 15.3027, 57.3360



13.8570, 15.3027, 103.9179

Sweetspot

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



29.6464, 15.3037, 1.9637



65.9222, 56.7650, 52.8843



37.2534, 17.7455, 69.1714



13.4524, 11.1802, 10.0349



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.



29.6464, 15.3037, 1.9637



41.3547, 21.3059, 2.5340



33.4284, 23.0244, 2.7411



13.0945, 13.0669, 13.7590



17.3928, 8.9582, 1.1828



1.1406, 0.5859, 0.1494

Inverse Universe

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



29.6464, 15.3037, 1.9637



41.3547, 21.3059, 2.5340



20.8187, 20.9302, 70.6523



13.0945, 13.0669, 13.7590



17.3928, 8.9582, 1.1828



1.1406, 0.5859, 0.1494

Previews

White Background



This preview shows how the XYZ color 29.6461, 15.3027, 1.9635 looks on a white 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

Black Background



This preview shows how the XYZ color 29.6461, 15.3027, 1.9635 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6461, 15.3027, 1.9635

Background



This preview shows how black text looks on a background with the XYZ color 29.6461, 15.3027, 1.9635.



This preview shows how white text looks on a background with the XYZ color 29.6461, 15.3027,

1.9635.

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

29.6461, 15.3027, 1.9635

Protanopia

14.3305, 15.7875, 4.0423

Deuteranopia

15.8668, 15.6786, 2.1900



Tritanopia

29.1636, 15.4057, 1.4365

Trichromacy



Original Color

29.6461, 15.3027, 1.9635

Protanomaly

16.7857, 11.9711, 2.6543

Deuteranomaly

18.4677, 12.5846, 1.6567

Tritanomaly

29.3957, 15.3633, 1.6171

Monochromacy



Original Color

29.6461, 15.3027, 1.9635

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

9.8263, 6.3921, 3.7335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6461, 15.3027, 1.9635 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(220, 2, 18)` looks like.

```
.text, #text, p{  
  color:rgb(220, 2, 18)  
}
```

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(220, 2, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 2, 18) }
```

Border

The CSS property to change the border of an element to XYZ 29.6461, 15.3027, 1.9635 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(220, 2, 18) }
```


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

```
.border{ border-color:rgb(220, 2, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 2, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 2, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 2, 18);  
box-shadow:4px 4px 4px 4px rgb(220, 2, 18)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.6461, 15.3027, 1.9635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 2, 18) }
```

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

```
.background{ background-color: rgb(220, 2,  
18) }
```

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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