

Converting Colors

XYZ(29.5961, 16.7362, 3.0370)

Have a look what the booklet for
XYZ(29.5961, 16.7362, 3.0370)
contains.

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Color

**XYZ(29.5961, 16.7362,
3.0370)**

Conversions

Conversions Part 1

Format	Color
Hex	D82F20
RGB	216, 47, 32
RGB Percent	85%, 18%, 13%
CMY	0.1529, 0.8156, 0.8745
CMYK	0.00, 0.78, 0.85, 0.15
HSL	5°, 74%, 49%
HSV	5°, 85%, 85%
XYZ	29.5961, 16.7362, 3.0370
YIQ	95.8210, 105.5390, 31.1630

Conversions

Conversions Part 2

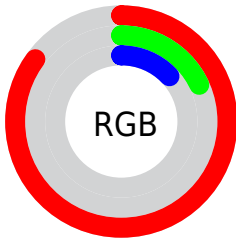
Format	Color
RYB	216, 48, 32
Decimal	14167840
CIELab	47.93, 63.36, 49.56
CIElCh	48, 80.439, 38.036
Yxy	16.7362, 0.5995, 0.3390
Android (android.graphics.Color)	4292357920 (0xFFD82F20)
YUV	95.8210, -31.4638, 105.3970
Hunter-Lab	40.9099, 57.5428, 24.2355

Details

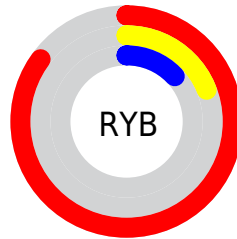
The XYZ color **29.5961, 16.7362, 3.0370** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **33.8737, 47.0317, 72.2579**, and the grayscale version is **11.1321, 11.7119, 12.7542**.

A 20% lighter version of the original color is **48.0138, 32.5496, 11.1492**, and **12.9489, 6.6754, 0.6060** is the 20% darker color. If you saturate the color by 10%, you get **28.7717, 15.4136, 1.7574**, and if you desaturate by 10%, it is **30.9735, 18.8581, 5.4485**.

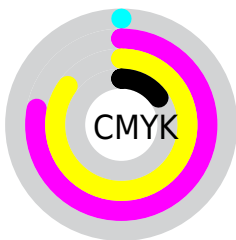
Distribution



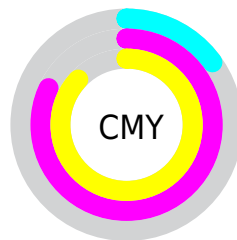
- Red (85%)
- Green (18%)
- Blue (13%)



- Red (85%)
- Yellow (19%)
- Blue (13%)



- Cyan (0%)
- Magenta (78%)
- Yellow (85%)
- Black (15%)





- Cyan (15%)
- Magenta (82%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5961, 16.7362, 3.0370 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 29.5961, 16.7362, 3.0370 by changing the saturation by 10% instead.


 29.5961, 16.7362,
3.0370


 29.5961, 16.7362,
3.0370


291.9610,
233.6476, 136.8305


 19.6788, 10.0466,
1.1136


 58.4139, 37.8717,
11.7196


 12.2687, 5.4299,
0.0000


 78.0450, 53.0863,
19.3158


 7.0004, 2.5016,
0.0000


 101.6448, 71.9114,
29.6401

 3.5087, 0.8774,
0.0000

 129.5786, 94.7313,
43.1109

 1.4281, 0.0000,
0.0000

 162.2118,
121.9305, 60.1468


 0.2761, 0.0000,
0.0000


 199.9096,


 0.0000, 0.0000,


153.8934, 81.1663


0.0000


 243.0376,
191.0042, 106.5881


 29.5961, 16.7362,
3.0370


 29.5961, 16.7362,
3.0370


 28.7717, 15.4136,
1.7574


 30.9735, 18.8581,
5.4485


 28.5289, 15.0193,
1.3954

 32.9786, 21.8757,
9.1769


 35.6755, 25.8750,
14.3746


 39.1200, 30.9313,
21.1730

 43.3623, 37.1121,
29.6889

 48.4480, 44.4798,
40.0283

 54.4196, 53.0917,
52.2885

 61.3164, 63.0018,
66.5599

 69.1756, 74.2608,
82.9273

Harmonies

Analogous

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



34.0734, 16.7362, 13.1948



29.5961, 16.7362, 3.0370



21.7074, 16.7362, 0.5614

Triad

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



29.5961, 16.7362, 3.0370



6.1694, 16.7362, 7.0030



17.9355, 16.7362, 93.1559

Complementary

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



29.5961, 16.7362, 3.0370



33.8737, 47.0317, 72.2579

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.



11.2449, 16.7362, 85.9212



29.5961, 16.7362, 3.0370



5.7160, 16.7362, 24.3892

Square

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



29.5961, 16.7362, 3.0370



8.7748, 16.7362, 1.4007



7.2642, 16.7362, 55.5188



26.1278, 16.7362, 71.1721

Rectangle

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



29.5961, 16.7362, 3.0370



16.3894, 16.7362, 0.1566



7.2642, 16.7362, 55.5188



15.4347, 16.7362, 94.2534

Sweetspot

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



29.5965, 16.7372, 3.0372



69.7090, 63.5535, 56.5665



39.7022, 19.9787, 58.7225



14.3457, 12.7711, 10.9361



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.



29.5965, 16.7372, 3.0372



41.5046, 21.7892, 2.0182



37.4211, 32.3866, 5.6455



12.5039, 12.5820, 12.9302



16.9182, 8.9536, 0.8365



1.0494, 0.5980, 0.0601

Inverse Universe

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



33.8737, 47.0317, 72.2579



47.5280, 66.1759, 104.8760



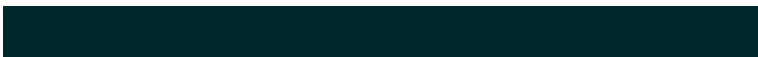
18.7550, 16.7945, 67.2184



12.7015, 13.9264, 15.9561



19.3781, 27.0180, 42.6468



1.1950, 1.6820, 2.5810

Previews

White Background



This preview shows how the XYZ color 29.5961, 16.7362, 3.0370 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 29.5961, 16.7362, 3.0370 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 29.5961, 16.7362, 3.0370

Background



This preview shows how black text looks on a background with the XYZ color 29.5961, 16.7362, 3.0370.



This preview shows how white text looks on a background with the XYZ color 29.5961, 16.7362,

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

29.5961, 16.7362, 3.0370

Protanopia

15.4375, 16.9952, 5.3725

Tritanopia

29.7504, 16.6730, 4.2349

Trichromacy



Original Color

29.5961, 16.7362, 3.0370

Protanomaly

18.3903, 14.8577, 4.1840

Tritanomaly

29.6961, 16.7130, 3.7586

Monochromacy



Original Color

29.5961, 16.7362, 3.0370

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

14.7422, 11.5053, 7.7471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5961, 16.7362, 3.0370 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(216, 47, 32)` looks like.

```
.text, #text, p{  
    color:rgb(216, 47, 32)  
}
```

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(216, 47, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 47, 32) }
```

Border

The CSS property to change the border of an element to XYZ 29.5961, 16.7362, 3.0370 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(216, 47, 32) }
```

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

```
.border{ border-color:rgb(216, 47, 32) }
```

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

Here you see how a box with a 4 pixel rgb(216, 47, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 47, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 47, 32);  
box-shadow:4px 4px 4px 4px rgb(216, 47,  
32) }
```


Background

The CSS property to change the background color of an element to XYZ 29.5961, 16.7362, 3.0370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 47, 32) }
```

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

```
.background{ background-color: rgb(216, 47,  
32) }
```

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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