

Converting Colors

XYZ(29.1541, 16.5974, 4.6500)

Have a look what the booklet for
XYZ(29.1541, 16.5974, 4.6500)
contains.

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Color

**XYZ(29.1146, 16.5730,
4.6820)**

Conversions

Conversions Part 1

Format	Color
Hex	D53132
RGB	213, 49, 50
RGB Percent	84%, 19%, 20%
CMY	0.1647, 0.8078, 0.8039
CMYK	0.00, 0.77, 0.77, 0.16
HSL	360°, 66%, 51%
HSV	360°, 77%, 84%
XYZ	29.1146, 16.5730, 4.6820
YIQ	98.1500, 97.4230, 35.0790

Conversions

Conversions Part 2

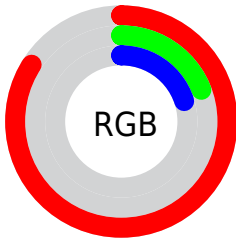
Format	Color
RYB	213, 49, 50
Decimal	13971762
CIELab	47.72, 62.41, 39.79
CIElCh	48, 74.011, 32.521
Yxy	16.5730, 0.5780, 0.3290
Android (android.graphics.Color)	4292161842 (0xFFD53132)
YUV	98.1500, -23.7379, 100.7235
Hunter-Lab	40.7099, 56.4157, 21.6781

Details

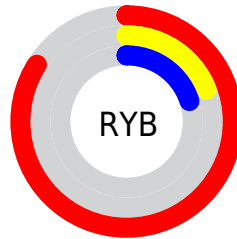
The XYZ color **29.1146, 16.5730, 4.6820** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **36.9464, 52.9955, 70.5767**, and the grayscale version is **11.6883, 12.2970, 13.3915**.

A 20% lighter version of the original color is **48.8663, 33.0603, 15.1150**, and **12.6105, 6.4972, 0.7617** is the 20% darker color. If you saturate the color by 10%, you get **28.0685, 15.0508, 2.5771**, and if you desaturate by 10%, it is **30.7930, 19.0227, 8.0390**.

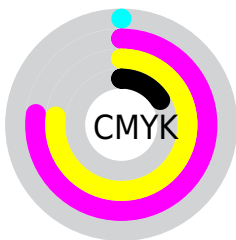
Distribution



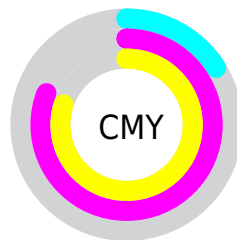
- Red (84%)
- Green (19%)
- Blue (20%)



- Red (84%)
- Yellow (19%)
- Blue (20%)



- Cyan (0%)
- Magenta (77%)
- Yellow (77%)
- Black (16%)





- Cyan (16%)
- Magenta (81%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1146, 16.5730, 4.6820 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 29.1146, 16.5730, 4.6820 by changing the saturation by 10% instead.


 29.1146, 16.5730,
4.6820


 29.1146, 16.5730,
4.6820


289.7397,
232.6995, 155.5284

 19.3122, 9.9305,
2.0065


 57.6554, 37.5901,
15.5544


 12.0015, 5.3529,
0.5592


 77.1246, 52.7336,
24.5883


 6.8169, 2.4558,
0.0000


 100.5467, 71.4795,
36.5788

 3.3932, 0.8544,
0.0000

 128.2872, 94.2122,
51.9444

 1.3649, 0.0000,
0.0000

 160.7114,
121.3162, 71.1036

 0.2310, 0.0000,
0.0000

 198.1847,

 0.0000, 0.0000,

153.1758, 94.4750

0.0000

241.0723,
190.1755, 122.4771

■ 29.1146, 16.5730,
4.6820

■ 29.1146, 16.5730,
4.6820

■ 28.0685, 15.0508,
2.5771

■ 30.7930, 19.0227,
8.0390

■ 27.5520, 14.3020,
1.5283

■ 33.1809, 22.5121,
12.8006

■ 27.4474, 14.1489,
1.3212

■ 36.3455, 27.1406,
19.0984

■ 40.3460, 32.9954,
27.0486

■ 45.2359, 40.1551,
36.7562

■ 51.0643, 48.6917,
48.3178

■ 57.8764, 58.6720,
61.8226

■ 65.7149, 70.1585,
77.3542

■ 74.6198, 83.2099,
94.9914

Harmonies

Analogous

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



32.2070, 16.5730, 16.4878



29.1146, 16.5730, 4.6820



22.3891, 16.5730, 1.1750

Triad

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



29.1146, 16.5730, 4.6820



6.9400, 16.5730, 5.9059



16.3190, 16.5730, 84.5061

Complementary

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



29.1146, 16.5730, 4.6820



36.9464, 52.9955, 70.5767

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.



10.5765, 16.5730, 73.5944



29.1146, 16.5730, 4.6820



6.1475, 16.5730, 19.6976

Square

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



29.1146, 16.5730, 4.6820



9.8498, 16.5730, 1.4542



7.2694, 16.5730, 45.6117



23.6383, 16.5730, 69.5743

Rectangle

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



29.1146, 16.5730, 4.6820



17.4685, 16.5730, 0.6215



7.2694, 16.5730, 45.6117



14.1521, 16.5730, 83.7388

Sweetspot

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



29.1150, 16.5740, 4.6822



71.1030, 64.9156, 61.4277



39.7632, 20.7425, 64.8583



14.5693, 12.9432, 11.8591



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.



29.1150, 16.5740, 4.6822



41.6403, 21.8318, 2.7689



35.7498, 29.8775, 6.7898



12.4263, 12.4220, 12.9191



16.7676, 8.6433, 0.8141



1.0124, 0.5218, 0.0548

Inverse Universe

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



29.1150, 16.5740, 4.6822



41.6403, 21.8318, 2.7689



21.7665, 22.4355, 66.1337



12.4263, 12.4220, 12.9191



16.7676, 8.6433, 0.8141



1.0124, 0.5218, 0.0548

Previews

White Background



This preview shows how the XYZ color 29.1146, 16.5730, 4.6820 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



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 29.1146, 16.5730, 4.6820

Background



This preview shows how black text looks on a background with the XYZ color 29.1146, 16.5730, 4.6820.



This preview shows how white text looks on a background with the XYZ color 29.1146, 16.5730,

4.6820.

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

29.1146, 16.5730, 4.6820

Protanopia

15.4350, 16.7619, 8.2162

Deuteranopia

17.0401, 16.7047, 4.1599



Tritanopia

29.1146, 16.5730, 4.6820

Trichromacy



Original Color

29.1146, 16.5730, 4.6820

Protanomaly

18.2637, 14.7391, 6.5850

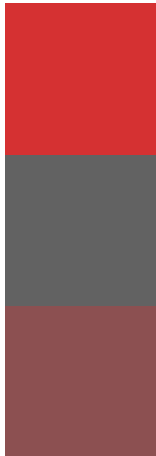
Deuteranomaly

19.9746, 15.3084, 4.0925

Tritanomaly

29.1146, 16.5730, 4.6820

Monochromacy



Original Color

29.1146, 16.5730, 4.6820

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

15.1691, 11.9069, 9.2833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1146, 16.5730, 4.6820 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(213, 49, 50)` looks like.

```
.text, #text, p{  
    color:rgb(213, 49, 50)  
}
```

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(213, 49, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 49, 50) }
```

Border

The CSS property to change the border of an element to XYZ 29.1146, 16.5730, 4.6820 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(213, 49, 50) }
```


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

```
.border{ border-color:rgb(213, 49, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 49, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 49, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 49, 50);  
box-shadow:4px 4px 4px 4px rgb(213, 49,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1146, 16.5730, 4.6820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 49, 50) }
```

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

```
.background{ background-color: rgb(213, 49,  
50) }
```

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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